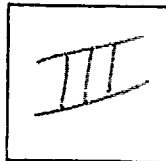


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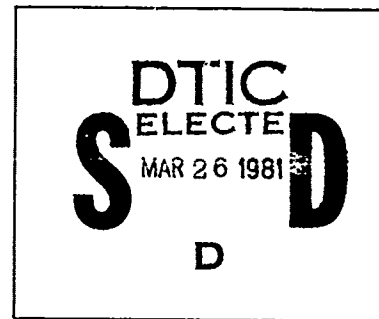
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Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

FRESNO AIR TERMINAL CA

N 36 46 W 119 43

FLD ELEV 327 FT

KFAT

WBAN #93193

WMC #72389

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PARTS A-F

FOR FROM HOURLY OBS: SEP 72 - AUG 80

FOR FROM DAILY OBS: JAN 50 - AUG 80

TIME CONVERSION GMT TO LST: -8

19 JAN 1981

JAN 15 1981

FEDERAL BUILDING

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 81/027	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Fresno Air Terminal, California		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)		6. PERFORMING ORG. (REPORT NUMBER)
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19. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
20. SUPPLEMENTARY NOTES		
21. ABSTRACT (Continue on reverse side if necessary, and identify by block number) *RUSSWO Daily temperatures Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative Humidity *Climatological data (over)		
22. ABSTRACT (Continue on reverse side if necessary, and identify by block number) This report is a six-part statistical summary of surface weather observations for Fresno Air Terminal, California It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables  
\* California \*\* Fresno Air Terminal, CA.
20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurring tables.

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U S AIR FORCE  
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APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Summaries are prepared from hourly and daily observations recorded by stations operated by the U.S. Air Force and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hours: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY		STATION NAME		LATITUDE:		LONGITUDE:		STATION ELEV (FT)		CALL SIGN:		WMO NUMBER:	
92193		FRESNO CALIF/AIR TERMINAL		N 36 46		W 119 43		327		KFAT		72389	
<b>STATION LOCATION AND INSTRUMENTATION HISTORY</b>													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	TYPE BAROMETER					
1	Hammer Fld. Calif	AAF	Dec 41	Dec 45	N 36 47	W 119 42	327	Mercurial	24				
2	Fresno Calif., WBAS	W	Sep 49	Dec 64	N 36 46	W 119 43	No Change	No Change	24				
3	No Change	W	Jan 65	Dec 68	No Change	No Change	No Change	No Change	8				
4	No Change	W	Jan 69	Sep 80	No Change	No Change	No Change	No Chg	Punched				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 41 to Jan 45	Located on the Hangar leanto.	Anemometer	None	62 Ft	
2	Sep 49 to Aug 61	Located on the roof.	F 420 C	None	42 Ft	
3	Sep 61 to 23 May 64	Located on the field.	No Change	None	20 Ft	
4	24 May 64 to Dec 68	No Change	No Change	None	No Chge	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	Jan 69- Sep 80	No Change	No Chg	No Chg	No Chg	

U S AIR FORCE  
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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION PESNO AIR TERMINAL CA  
STATION NAME

73-8  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	0-3		1.0				11.0	52.0	15.3			61.8	744
	3-7.5		1.7				11.7	55.9	11.6			64.1	744
	6-7.5		13.4				13.4	50.3	11.9			65.2	744
	9-12	.4	11.0				11.0	44.1	22.2			64.7	744
	12-14	.1	8.3				8.3	22.4	39.6			59.4	744
	15-17		7.7				7.7	13.4	44.4			55.5	744
	18-21		9.4				9.4	19.4	38.7			55.9	744
	21-23		11.4				11.4	40.1	26.7			61.7	744
TOTALS		.5	11.5				11.5	38.2	26.2			61.3	5752

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

# WEATHER CONDITIONS

STATION 73 TUSNO AIR TERMINAL CA 73-S FEB  
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	1-27		9.6				9.6	20.5	11.4			31.1	678
	28-29		12.2				12.2	26.7	9.9			35.1	678
	30-01		12.5				12.5	34.6	8.1			41.3	678
	2-11		12.7				12.7	22.9	22.3			41.6	678
	12-19	.1	12.2			.1	12.3	6.7	28.3			36.3	678
	20-27	.1	9.7				9.7	3.7	25.5		.1	29.4	678
	28-29	.1	10.0				10.0	3.5	23.6		.1	26.6	678
	30-23		11.5		.1		11.5	12.1	16.1			28.1	678
TOTALS		.2	12.0		.1	.2	12.9	15.4	16.2		.2	33.7	5424

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION PRESNO AIP TERMINAL CA 73-87 YEARS MAP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	0-02		7.8				9.3	4.6	5.			9.	744
	13-15		9.				9.1	11.3	4.2			13.7	744
	6-18		9.7				9.7	20.2	7.1			25.2	744
	7-11		5.2				5.4	4.6	14.5			19.4	743
	12-14	.3	5.7				5.7	1.5	14.1		.4	16.0	743
	15-17	.1	7.4				7.4	.7	11.3		.3	12.2	744
	8-2	.4	6.6			.1	5.6	.3	6.9			7.4	744
	1-23		7.9				7.9	.8	5.5		.1	6.5	744
TOTALS		.1	7.7			.5	7.7	5.4	8.6		.1	13.8	5957

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION FRESNO AIR TERMINAL CA 73-8 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	8-12		2.4				2.4	.4	.4			.6	720
	3-7	.1	3.3				3.3	2.1	.6			2.5	720
	5-14		4.7				4.7	5.6	2.2			7.8	720
	9-11		3.6				3.6	1.5	2.8			4.2	720
	12-14		2.5				2.5	.1	1.8			1.9	720
	5-7		3.6				3.6		1.1		.3	1.4	720
	8-2		2.9				2.9		.3		.3	.6	720
	1-23	.1	3.2				3.2						720
TOTALS		.4	3.3				3.3	1.2	1.2		.3	2.4	5760

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

1971 TRESNO AIR TERMINAL CA  
STATION

73-8

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	0-12	.1	.1				.1						744
	3- 5		.1				.9	.1	.1			.3	744
	6-10		.3				.8	.1	2.1			1.3	744
	9-11		.6				.3		1.7			1.7	744
	12-14		.6				.9	.3	.6			1.1	744
	5-17		1.3				1.3	.1	.1			.3	744
	8-2		.7				.7				.4	.4	744
	11-23		1.3				1.3						744
TOTALS		.1	1.3				1.1	.1	.6		.1	.3	5952

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

STATION ESNO AIP TERMINAL CA

73-8

YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	0-23	.4	.5				.4						720
	3-11		.8				.8	.1				.1	720
	6-18		.7				.7						720
	9-11		.1				.1		.3			.3	720
	12-14		.1				.1		.8			.8	720
	15-17								.3		.1	.4	720
	18-2		.3				.3		.3		.3	.6	720
	1-23		.1				.1		.1			.1	720
TOTALS		.1	.3				.3	.1	.2		.1	.3	5760

GLOBAL CLIMATOLOGY BRANCH  
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AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

7 97 FRESNO AIR TERMINAL CA  
STATION

73-81

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	7-32	.3	.8				.3		.3			.3	744
	3-25		.4				.4	.3	.4			.5	743
	6-26		.3				.3	.3	3.5			3.8	744
	9-11	.1	.1				.1		3.9			3.9	744
	12-14								2.2			2.2	744
	15-17		.5				.5		.5		.1	.7	744
	18-20		.1				.1		.1			.1	744
	21-23	.4	.3				.3		.4			.4	744
TOTALS		.1	.3				.3	.1	1.4		.1	1.5	5951



DISTAL CLIMATOLOGY BRANCH  
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AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

103 FRESNO AIR TERMINAL CA 73-8 AUG  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	0-22							.3	.4			.7	744
	3-15		.1				.7	1.1	.6			1.6	744
	6-18		.1				.1	1.3	2.3			3.4	744
	9-11		.3				.3	.4	5.5			5.9	744
	12-14		.5				.5	.3	1.7			2.1	744
	5-17		.5				.5						742
	8-2								.4			.4	741
	1-23		.1				.1		.4			.4	741
TOTALS			.3				.3	.4	1.4			1.6	5944

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

STATION  
FRESNO AIR TERMINAL CA

72-79

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	0-23		1.5				1.5	1.3				1.3	720
	3-5		1.7				1.7	1.7	.3			1.7	720
	6-18	.4	1.5				1.5	2.8	10.8			13.5	720
	19-21	.2	1.8				1.8	1.0	13.5			14.4	720
	22-24		1.1				2.1	.6	5.3			5.9	720
	25-27		1.6				1.9	.6	1.1		.1	1.9	719
	28-2	.1	1.3				1.3	.8			.1	1.4	720
	3-23	.4	1.1				1.1	.8				.8	720
TOTALS		.1	1.6				1.0	1.2	3.9		.	5.1	5759

GLOBAL CLIMATOLOGY BRANCH  
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# WEATHER CONDITIONS

STATION FRESNO AIR TERMINAL CA 72-73 YEARS OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	0-23	.4	3.1				3.5	3.9	5.5			9.4	744
	3-15	.4	2.2				2.2	7.7	5.6			12.9	744
	5-6	.4	1.7				1.7	12.8	27.2			37.6	744
	7-11		.5				.5	1.3	4.3			4.7	744
	12-14	.1	1.9				1.9	.7	3.5		.4	3.6	744
	15-17		2.8				2.8		14.7		.5	15.2	744
	18-2	.1	3.1				3.2	.5	8.6		.4	9.4	744
	3-23	.3	1.3				1.3	2.0	5.5		.1	7.7	744
TOTALS		.2	2.1				2.1	3.6	17.2		.2	2.7	5952

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## WEATHER CONDITIONS

STATION: FRESNO AIR TERMINAL CA  
STATION NAME

72-79

YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	0-12		6.7				6.1	34.0	21.9			52.5	727
	3-5		6.0				6.0	39.2	18.1			54.4	727
	6-13		6.7				6.7	46.9	15.5			59.1	718
	9-11		4.3				4.3	27.6	33.5		.4	60.1	727
	12-4		4.7				4.7	10.7	42.1		.3	52.6	727
	5-17		3.3				3.3	6.5	42.1		.1	48.5	727
	4-2		4.2				4.2	14.0	38.6			51.3	727
	21-23		6.7				6.7	25.7	31.4			52.4	727
TOTALS			5.2				5.2	28.6	31.4		.1	53.7	5758

GLOBAL CLIMATOLOGY BRANCH  
USAF-TAC  
AF WEATHER SERVICE/HAC

# WEATHER CONDITIONS

STATION  
PESNO

STATION NAME  
PESNO AFB TERMINAL CA

72-79

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
DEC	0-23		8.7				8.2	11.3	25.0		.4	72.9	744
	1-15		10.9				10.5	55.4	19.3		.4	72.3	743
	6-12		1.1				1.1	62.1	16.3		.4	73.2	743
	1-11		8.5				8.5	46.1	28.1		.4	75.1	744
	13-14	.1	6.6				6.6	22.2	47.4		.1	58.7	744
	4-17		6.2				6.2	14.7	50.8			64.5	744
	8-2		5.9				5.9	26.9	43.8			67.6	744
	1-23		6.1				6.1	43.7	31.7		.4	65.5	742
TOTALS		.1	7.5				7.5	41.7	33.2		.3	7	112

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

1971 FRESNO AIR TERMINAL CA 70-61 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	10.4				1.5	36.2	26.2			61.3	5952
FEB		.0	10.0		.0	.0	10.0	16.4	18.2		.1	33.7	5424
MAR		.1	7.7			.0	7.7	5.4	8.6		.1	13.8	5957
APR		.0	0.3				3.3	1.2	1.2		.1	2.4	5767
MAY		.0	1.0				1.0	.2	.6		.1	.8	5932
JUN		.	.3				.3	.0	.2		.1	.3	5767
JUL		.1	.3				.3	.1	1.4		.0	1.5	5951
AUG			.3				.3	.4	1.4			1.8	5944
SEP		.1	1.6				1.6	1.2	3.9		.0	5.1	5759
OCT		.2	2.1				2.1	3.6	17.2		.2	22.7	5952
NOV			5.2				5.2	25.6	30.4		.1	53.7	5758
DEC		.0	7.5				7.5	40.7	33.2		.3	70.7	5948
TOTALS		.1	4.2		.0	.0	4.2	11.1	11.9		.1	22.2	70110

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

XX WEATHER CONDITIONS XX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

93193 FRESNO AIR TERMINAL CA 50-80 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.0	44.5	.1	.8	.5	44.6	69.6	55.6			77.1	961
FEB		1.1	37.3		.3	.7	37.3	50.0	47.6		.1	59.9	876
MAR		2.4	29.4		.2	.9	29.4	23.1	24.0		.1	32.0	961
APR		2.0	21.6			1.1	21.6	9.1	9.5		.1	14.2	920
MAY		1.7	13.1				13.1	2.5	4.3		.1	5.7	961
JUN		1.5	4.6				4.6	.5	2.2		.2	2.5	930
JUL		.9	5.1				5.1	.3	6.3		.1	6.1	961
AUG		.6	3.7				3.7	.6	8.1			8.3	961
SEP		2.6	6.9				6.9	2.8	19.0		.1	20.3	900
OCT		1.6	11.1			.2	11.1	17.3	47.5		.3	50.6	930
NOV		.8	27.1			.3	27.1	51.9	65.5			75.6	899
DEC		1.0	41.0		.5	.6	41.0	70.3	57.0			82.4	930
TOTALS		1.4	20.5	.0	.1	.4	20.5	24.8	28.9		.1	36.2	11200



U.S. AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- \*1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

- \*2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	"00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47,	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

3

FEDERAL CLIMATOLOGY DIVISION  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/RAE

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

1210  
 STATION

ESNO AIR TERMINAL CA  
 STATION NAME

55-80  
 YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	02-03	06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	55.4	18.4	3.2	4.1	3.5	6.1	4.2	4.0	.6					25.0	961	2.18	6.56	.04	
FEB	52.7	10.4	2.3	5.1	3.4	6.1	3.4	3.1	1.3					26.2	976	1.35	5.97	TRACE	
MAR	70.6	7.2	1.9	3.4	2.1	5.2	4.9	2.2	.9					20.3	961	1.02	5.79	.00	
APR	74.2	6.4	1.4	3.3	1.9	2.7	3.2	2.2	.2					14.9	930	1.14	4.41	.02	
MAY	66.9	6.2	.8	1.7	1.2	2.4	.6	.3						6.9	961	.30	1.55	.00	
JUN	50.7	2.7	.5	.6	.2	.4	.2	.1						2.3	930	.07	.60	.00	
JUL	46.9	4.2	.4	.3	.1									.6	961	.01	.04	.00	
AUG	44.3	2.3	.4	.2	.1	.2								.9	961	.02	.25	.00	
SEP	53.1	4.2	.4	.7	.2	.7	.4	.2						2.8	930	.15	1.19	.00	
OCT	58.5	4.7	.5	1.0	1.5	1.2	1.2	.8	.1					6.2	930	.47	1.55	.00	
NOV	72.7	1.4	0.3	3.0	1.9	4.0	3.0	2.9	.2					17.3	900	1.30	3.50	.00	
DEC	52.7	18.4	3.1	4.2	2.5	5.9	3.4	3.2	.4					22.6	930	1.65	6.73	.07	
ANNUAL	74.5	6.1	1.4	3.3	1.6	2.9	2.1	1.8	.3					12.2	11201	10.67			

1210 WS FORM  
 JUL 64 0-15-3 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

67193 STATION 67193 AIR TERMINAL CA STATION NAME 50-00 YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50	.75	1.01	1.54	.79	.03	.00	.01	TRACE	.13	.76	.79	.62	1.54
51	.74	.64	.19	.24	.02	.05	.00	.30	.00	.33	.56	.75	.94
52	1.74	.27	.92	.93	TRACE	.01	TRACE	.00	.07	.02	1.04	1.10	1.74
53	.57	.06	.28	.94	.29	.31	TRACE	TRACE	.00	.18	1.35	.27	1.35
54	1.15	.41	.59	.44	.09	.15	TRACE	.00	.00	.00	.91	.92	1.15
55	.89	.93	.07	.51	.50	.00	TRACE	TRACE	.00	TRACE	.94	1.72	1.72
56	.74	.51	.06	.40	.28	.00	TRACE	.00	TRACE	.42	.00	.27	.74
57	.64	.44	.23	.47	.86	.16	TRACE	.00	.19	.35	.70	.76	.86
58	.92	1.11	1.43	.89	.64	.02	.02	.01	.24	TRACE	.15	.19	1.43
59	.39	1.43	.06	.37	.09	.00	.00	.01	.63	.00	.00	.14	1.43
60	.72	1.00	.40	.78	.02	.00	TRACE	.00	.02	.09	.71	.05	1.00
61	.34	.24	.39	.45	.15	.01	TRACE	.10	TRACE	TRACE	.91	.74	.91
62	.62	1.54	.52	.02	.11	TRACE	TRACE	.00	TRACE	.39	.03	.27	1.54
63	.92	1.12	.92	.85	.17	.03	.00	.01	.15	.50	.63	.22	1.12
64	.37	TRACE	.32	.29	.19	.06	TRACE	.25	.00	.87	.49	.53	.87
65	.23	.24	1.55	.50	TRACE	TRACE	TRACE	.02	.00	.30	.57	.55	1.55
66	.53	.12	.01	.09	.10	.07	.03	.00	.02	.00	.42	.99	.99
67	.35	.22	.72	1.22	.17	.13	TRACE	TRACE	TRACE	.07	.62	.43	1.22
68	.41	.55	.70	.70	.16	.00	TRACE	TRACE	.00	.88	.96	.84	.96
69	2.21	1.83	.52	1.21	.09	.04	.04	.00	.04	.06	.49	.45	2.21
70	1.22	.59	1.00	.10	.00	.05	TRACE	.00	.00	.01	.97	.69	1.22
71	.23	.12	.44	.23	.63	.00	TRACE	TRACE	.04	.03	.33	.63	.93
72	.18	.57	.00	.24	.19	.60	TRACE	.00	.28	.18	.85	.42	.89
73	.62	1.11	.83	.09	TRACE	TRACE	.00	TRACE	.00	.67	.36	.71	1.11
74	.77	.14	.68	.38	.00	.00	TRACE	TRACE	.00	.99	.33	.35	.99
75	.60	.26	.43	.30	TRACE	.00	TRACE	.05	.22	.73	.99	.10	.73
76	.04	1.50	.34	.30	TRACE	.37	.01	.20	.49	1.46	.62	.47	1.50
77	.23	.07	.52	.24	.45	.05	TRACE	TRACE	TRACE	.01	.25	1.10	1.10
78	.98	1.30	1.00	.81	.00	.00	TRACE	TRACE	.92	.00	.64	.26	1.30
79	.67	.65	.42	.07	.06	.00	.00	.00	TRACE	.24	.53	.37	.67
MEAN													
S D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84

USAF ETAC FORM 0-88.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
**EXTREME VALUES**  
XXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

97103 FRESNO AIR TERMINAL CA  
STATION

50-00

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50	3.71	1.64	1.34	.82	.05	.00	.02	TRACE	.13	1.19	1.85	1.60	12.35
51	1.94	1.60	.31	1.53	.02	.06	.00	.00	.00	.33	1.03	2.32	9.69
52	3.59	.53	3.57	2.97	TRACE	.01	TRACE	.00	.04	.32	1.51	4.05	15.54
53	1.49	.09	.52	.96	.43	.32	TRACE	TRACE	.00	.18	1.51	.51	6.13
54	1.80	1.13	2.90	.45	.09	.29	TRACE	.00	.00	.00	1.32	1.82	9.83
55	3.51	1.46	.07	1.47	.63	.00	TRACE	TRACE	.00	TRACE	1.34	6.73	15.21
56	2.41	.65	.78	1.38	.81	.00	TRACE	.00	TRACE	1.00	.00	.31	6.64
57	1.75	1.51	.53	1.75	1.56	.16	TRACE	.00	.19	.43	1.02	1.90	10.43
58	2.03	4.11	5.79	2.71	.79	.02	.02	.01	.46	TRACE	.21	.32	16.47
59	1.47	3.66	.09	.54	.09	.00	.00	.01	.92	.00	.00	.43	7.21
60	2.00	2.37	.67	1.50	.02	.00	TRACE	.00	.02	.09	2.75	.57	9.57
61	1.52	.40	1.04	.57	.40	.01	TRACE	.10	TRACE	TRACE	1.60	1.32	6.96
62	1.12	5.97	1.04	.02	.20	TRACE	TRACE	.00	TRACE	.73	.03	.48	9.59
63	2.16	2.01	2.10	3.66	.39	.03	.00	.01	.15	.95	2.54	.27	14.27
64	.00	TRACE	1.27	.50	.35	.06	TRACE	.25	.00	1.23	1.49	2.63	8.44
65	1.00	.43	2.32	1.74	TRACE	TRACE	TRACE	.02	.00	.30	2.69	1.73	19.34
66	.53	.54	.01	.15	.10	.07	.03	.00	.03	.00	1.57	3.74	6.07
67	2.21	.22	3.15	4.41	.19	.14	TRACE	TRACE	TRACE	.07	1.55	1.74	12.98
68	1.00	1.10	1.49	.70	.24	.00	TRACE	TRACE	.00	1.54	1.94	2.44	10.50
69	8.58	5.60	1.16	1.64	.08	.04	.04	.00	.04	.76	.30	1.14	19.14
70	3.83	1.27	1.60	.21	.00	.08	TRACE	.00	.00	.01	2.30	2.51	11.86
71	.40	.29	.58	1.74	1.40	.00	TRACE	TRACE	.04	.03	.65	2.56	6.99
72	.37	.67	.00	.27	.15	.50	TRACE	.00	.29	.22	3.50	1.40	7.47
73	1.91	3.69	2.84	.09	TRACE	TRACE	.00	TRACE	.00	1.02	1.39	1.74	12.66
74	2.82	.25	2.56	.64	.00	.00	TRACE	TRACE	.00	1.44	.34	1.26	9.31
75	.69	.97	2.44	.55	TRACE	.00	TRACE	.05	.22	1.07	.20	.14	6.33
76	.04	4.72	.44	.93	TRACE	.37	.01	.21	1.19	1.55	.87	.71	11.64
77	.68	.09	1.04	.04	1.16	.06	TRACE	TRACE	TRACE	.01	.46	3.02	6.56
78	3.10	4.41	4.25	2.85	.00	.00	TRACE	TRACE	1.05	.00	1.34	.62	17.68
79	2.71	2.53	2.27	.07	.06	.00	.00	.00	TRACE	.48	1.01	.74	9.95
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64

**EXTREME VALUES**  
XXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

52-50

**YEARS**

## TOTAL MONTHLY PRECIPITATION IN INCHES

<div style="text-align: center;">MONTH YEAR</div>	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50	3.83	3.30	2.05	.29	.18	TRACE	.01	.00					
MEAN	2.377	1.852	1.619	1.136	.304	.075	.007	.021	.161	.445	1.297	1.645	10.574
S.D.	1.613	1.738	1.386	1.081	.426	.139	.014	.059	.323	.545	.884	1.416	3.623
TOTAL OBS.	961	876	961	930	961	930	961	961	900	930	900	930	11201

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLA)  
JUL 84

3 GLOBAL CLIMATOLOGY BRANCH  
3 DATA TAG  
1 AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION 193 SFO AIR TERMINAL CA

59-80

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.5	.4	.1	.1	.1									.3	963	.1	7.2	.0
FEB	99.7	.3													975	TRACE	TRACE	.0
MAR	99.9	.1													959	TRACE	TRACE	.0
APR	100.0														930	.0	.0	.0
MAY	100.0														961	.0	.0	.0
JUN	100.0														930	.0	.0	.0
JUL	100.0														961	.0	.0	.0
AUG	100.0														961	.0	.0	.0
SEP	100.0														950	.0	.0	.0
OCT	100.0														929	.0	.0	.0
NOV	100.0														899	.0	.0	.0
DEC	99.6	.3		.1										.1	926	TRACE	1.2	.0
ANNUAL	99.9	.1	.0	.0	.0									.0	11193	.1	✕	✕



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

00193 FLESNQ AIR TERMINAL CA  
STATION

STATION NAME

50-20

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2
69	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	*.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE	*TRACE
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLA)  
JUL 64

USAF ETAC FORM 0-88.5 (OLA)  
JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION 52103 FRESNO AIR TERMINAL CA STATION NAME

57-80 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
51	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* .0
52	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* .0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* .0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2
69	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* .0
72	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	*TRACE
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* .0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	* .0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 61

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION 00102 FRESNO AIR TERMINAL CA

57-60

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
59	.1	.0	.0	.0	.0	.0	.0	.0					
MEAN	.05	TRACE	TRACE	.00	.00	.00	.00	.00	.00	.00	.00	.04	.15
S.D.	.401	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.227	.511
TOTAL OBS.	969	875	959	930	961	930	961	961	920	929	899	923	11193

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (GLA)  
JUL 64

3

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

**DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

90193  
STATIONFRESNO AIR TERMINAL CA  
STATION NAME52-82  
YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														368			
FEB	100.0														791			
MAR	100.0														668			
APR	100.0														640			
MAY	100.0														656			
JUN	100.0														640			
JUL	100.0														699			
AUG	100.0														699			
SEP	100.0														640			
OCT	100.0														668			
NOV	100.0														640			
DEC	99.9		.1											.1	668			
ANNUAL	100.0		.1											.2	13289			



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular W), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate group opposite the column headed VARIABLE.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

(FROM DAILY OBSERVATIONS)

69-50

**YEARS**

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93193 FRESNO AIR TERMINAL CA

73-80

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	.1									2.2	3.9
NNE	.9	.8	.3									2.7	4.2
NE	1.3	2.2	.3									3.8	4.3
ENE	3.0	9.0	2.3									14.2	4.8
E	5.0	13.0	2.4	.7	.1							21.2	4.9
ESE	1.9	5.8	2.7	.3								10.6	5.5
SE	1.1	2.4	1.2	.1								4.8	5.2
SSE	.9	2.6	.5	.1								4.2	5.0
S	.8	.9	.5									2.3	5.0
SSW	.7	.5										1.2	3.6
SW	.4	.8	.3									1.5	4.4
WSW	.4	.9										1.3	4.3
W	1.6	2.4	.4									4.4	4.3
WNW	1.2	2.7	.5	.4								4.8	5.4
NW	.5	2.3	1.2	.3								4.3	6.0
NNW	.9	1.2										2.2	3.9
VARBL													
CALM												14.9	
	21.8	49.5	12.8	1.9	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03193 STATION FRESNO AIR TERMINAL CA STATION NAME 73-80 YEARS JAN MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	1.1										2.3	3.6
NNE	0.1	1.3	.4									2.8	4.4
NE	2.0	2.3	.4									4.7	4.1
ENE	4.2	6.2	1.3	.1								11.8	4.4
E	4.7	9.5	4.1	.4	.3							18.0	5.2
ESE	0.3	5.2	2.4	.1								10.1	5.2
SE	0.2	3.7	1.7									5.9	5.5
SSE	.9	1.2	.4									2.6	4.6
S	.7	1.5										3.2	3.7
SSW	.8	.9										1.6	3.7
SW	.7	.7										1.3	3.7
WSW	.9	.4	.1									1.5	3.8
W	.8	1.6	.4									2.8	4.8
WNW	.7	2.4	1.5	.8								5.0	6.9
NW	.1	3.5	.8	.3								5.6	5.4
NNW	.6	1.2	.4									3.2	4.1
VARBL													
CALM												17.5	
	25.5	41.9	13.0	1.7	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

07197  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

3600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	.3									2.6	4.4
NNE	.5	.1										.7	3.4
NE	1.5	1.3										2.8	3.8
ENE	2.6	6.5	1.6	.3								10.9	4.9
E	5.1	10.6	3.1	.5								19.4	4.9
ESE	2.0	6.9	3.5	1.3								13.7	6.2
SE	.9	2.3	1.3	.1								4.7	5.7
SSE	.8	2.0	.7									3.5	4.7
S	.2	2.2	.4									3.8	4.5
SSW	.1	.8	.1									2.0	3.9
SW	.7	1.3										2.0	3.8
WSW	.3	.8										1.6	3.9
W	.2	2.2	.3	.1								3.8	4.8
WNW	.5	2.8	1.7	.5								5.6	6.6
NW	.9	1.7	1.2	.4								4.3	6.2
NNW	.7	1.6	.1									2.4	4.6
VARBL													
CALM												16.3	
	21.4	44.6	14.4	3.4								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2										2.0	3.7
NNE	.5	.4										.9	3.9
NE	.5	.7										1.2	4.0
ENE	.7	2.4	.5	.3								3.9	5.4
E	1.0	7.4	2.6	1.1	.1							13.0	6.0
ESE	1.2	9.3	4.8	.9								16.3	6.2
SE	1.2	7.8	3.5	1.6								14.1	6.4
SSE	1.1	4.8	.9	.1								7.0	5.1
S	2.6	5.4	.4									8.3	4.2
SSW	1.1	1.1	.3	.1								2.6	4.9
SW	.5	.7	.1									1.3	4.5
WSW	.5	1.3	.3									2.2	4.4
W	.5	2.1	1.3									3.9	5.8
WNW	1.6	3.4	.9	.9								6.9	6.0
NW	1.1	2.0	1.5	1.2								5.8	7.3
NNW	.3	1.5	.5	.1								2.4	5.7
VARBL													
CALM												8.2	
	16.1	51.3	17.7	6.5	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 73-80 YEARS 1200-1400 JAN MONTH HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.2	.1									2.7	4.4
NNE	.7	.7	.1									1.5	4.1
NE	.7	1.2	.1									2.0	4.1
ENE	.7	.4	.7									1.7	5.6
E	1.9	2.9	2.7	.7								8.1	6.5
ESE	.8	4.0	3.1	2.2	.1							10.2	7.8
SE	1.3	6.9	3.9	1.9								13.9	5.8
SSE	1.3	3.9	2.6	.5								9.3	5.1
S	1.9	5.1	.9	.3								8.1	4.9
SSW	1.9	3.9	.3									5.1	4.2
SW	1.3	3.4	.1									4.3	4.2
WSW	1.1	2.4	.5									4.3	4.4
W	1.7	4.6	.8	.1								7.3	4.8
WNW	1.7	3.9	2.6	.7	.1							9.3	5.5
NW	.5	3.3	2.6	1.1								7.1	7.2
NNW	1.1	1.7	.3									3.1	4.4
VARBL													
CALM												3.1	
	19.1	49.1	21.1	7.4	.3							130.2	5.7

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY B-ANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.1	.1									4.3	4.3
NNE	.5	1.3	.3									2.2	4.4
NE	1.1	1.1	.1									2.3	4.1
ENE	1.1	2.2	.9									4.2	5.1
E	1.1	4.2	2.3	.9								3.2	6.2
ESE	.9	4.6	2.8	1.2								9.5	5.9
SE	1.1	3.1	2.4	.3	.4							7.3	7.3
SSE	1.5	2.2	.8	.3								5.1	5.7
S	1.5	3.9	.4									5.7	4.5
SSW	1.2	1.9	.3	.1								3.5	4.6
SW	.5	1.7	.3									2.5	4.5
WSW	.9	2.1	.4									3.4	4.6
W	.9	3.4	1.3	.1								5.3	5.5
WNW	.8	5.8	3.6	.5								11.3	5.5
NW	1.7	5.5	2.4	.7	.3							17.5	5.2
NNW	1.3	4.2	.4	.1								6.3	4.9
VARBL													
CALM												7.7	
	17.6	52.0	18.7	5.4	.7							132.7	5.3

TOTAL NUMBER OF OBSERVATIONS

734

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 98193 STATION NAME: FRESNO AIR TERMINAL CA YEARS: 73-83 MONTH: JAN  
CLASS: ALL WEATHER HOURS (L.S.T.): 1800-2000  
CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.6	.1									4.7	3.7
NNE	1.2	2.2		.1								3.5	4.4
NE	2.7	1.9	.1									4.0	3.8
ENE	1.7	5.1	.8									7.3	4.6
E	2.4	4.7	1.5	1.1								9.7	5.8
ESE	2.0	3.1	1.6	1.3	.3							8.3	6.6
SE	.7	2.4	1.2	1.1								5.4	7.0
SSE	.8	1.5	.5	.1								3.0	5.0
S	1.3	3.2	.3									4.8	4.4
SSW	.0	1.7	.5									3.2	4.7
SW	.5	1.5	.3									2.3	4.7
WSW	.9	1.1	.3									2.3	4.4
W	.6	4.6	1.3									6.7	5.2
WNW	1.2	5.2	2.0	.3								8.7	5.7
NW	1.3	4.7	1.6	.5								8.2	5.7
NNW	2.4	2.6	.4									5.4	4.1
VARB													
CALM												12.5	
	22.0	48.0	12.6	4.6	.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

92193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.5	.1									3.0	4.0
NNE	.7	1.1	.4									2.2	4.8
NE	2.7	3.2	.1									6.0	4.0
ENE	3.5	10.2	1.6	.1								15.5	4.6
E	3.5	9.4	3.0	.3								16.1	5.0
ESE	2.2	5.0	1.2	.5								8.9	5.3
SE	1.1	2.6	1.6	.4	.1							5.8	6.4
SSE	.9	1.6	.3	.4								3.2	5.8
S	.9	1.2	.1	.1								2.4	4.7
SSW	.4	1.2										1.6	4.4
SW	.5	.5		.1								1.2	4.8
WSW	.4	1.1	.3									1.7	4.5
W	.5	2.7	1.1	.1	.1	.1						4.7	6.7
WNW	1.5	2.7	.7	.1								5.0	4.7
NW	.9	2.7	1.1	.3								5.0	5.7
NNW	1.2	1.5	.3									3.0	4.3
VARBL													
CALM												14.8	
	22.3	48.1	11.8	2.6	.3	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

744



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

07103 STATION FRESNO AIR TERMINAL CA 73-80 YEARS JAN MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	.1									3.0	4.0
NNE	.8	1.0	.2	.0								2.0	4.3
NE	1.5	1.7	.2									3.4	4.0
ENE	2.1	5.7	1.2	.1								8.7	4.8
E	3.2	7.7	2.5	.7	.1							14.2	5.4
ESE	1.7	5.5	2.8	1.0	.1							11.0	6.2
SE	1.1	3.3	2.1	.8	.1							7.8	6.4
SSE	.1	2.5	.8	.2								4.6	5.4
S	1.5	2.9	.4	.1								4.9	4.5
SSW	1.0	1.4	.2	.0								2.6	4.4
SW	.7	1.3	.1	.0								2.1	4.3
WSW	.2	1.3	.2									2.3	4.3
W	1.0	2.9	.9	.1	.0	.0						4.9	5.2
WNW	.1	3.6	1.7	.6	.0							7.0	6.1
NW	.1	3.2	1.5	.6	.0							5.4	6.2
NNW	1.2	1.9	.3	.0								3.5	4.5
VARBL													
CALM												11.9	
	20.7	47.7	15.3	4.2	.3	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 5952

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

07103  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.8										3.1	3.9
NNE	.7	1.9	.1									2.8	4.2
NE	2.2	2.7	.1									5.7	3.9
ENE	4.7	10.5	1.3	.1								15.9	4.4
E	4.1	13.3	2.4	.8								20.2	4.9
ESE	1.5	4.4	2.5	.7	.1							9.4	5.2
SE	.7	2.4	1.9	1.3								5.9	7.3
SSE	.7	1.7	.7	.1								2.2	5.4
S	.7	.5	.3									1.5	4.7
SSW	.1	.4										.5	3.8
SW	.7	.4										.7	3.5
WSW	.7	.6	.1									1.5	3.8
W	.5	2.4	1.5									4.4	5.7
WNW	1.3	2.8	1.5	.1								5.9	5.4
NW	.5	1.8	1.3	.3								4.2	5.6
NNW	.1	1.2		.1								1.5	5.3
VARBL													
CALM												15.2	
	12.5	43.1	13.9	3.1	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

578

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 73-80 YEARS SEP MONTH 1320-1500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.9	.4									2.4	4.3
NNE	1.0	1.3										2.4	3.3
NE	1.9	1.8										3.7	3.6
ENE	4.3	5.9	1.2	.3								12.7	4.5
E	5.9	15.3	2.9	.1								24.3	4.7
ESE	.9	3.1	1.5	1.0								6.5	5.7
SE	.4	2.5	1.9	.7								5.5	7.0
SSE	.3	1.5	.4									2.2	5.1
S	.5	.9	.3									1.3	4.7
SSW	.3	.9										1.2	4.3
SW	.7	.4										1.2	3.6
WSW	.4	1.9	.1	.1								2.7	5.7
W	1.0	2.7	.4	.3								4.4	5.3
WNW	1.3	2.2	.7	.7								4.7	5.1
NW	1.3	2.1	1.0	.4								4.5	5.2
NNW	1.3	1.5	.1									3.1	4.1
VARB													
CALM												16.7	
	22.3	45.0	11.2	3.3								100.3	4.2

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

92193 FRESNO AIR TERMINAL CA

73-80

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

3500-3500

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5										2.2	5.9
NNE	.9	.3										1.2	3.5
NE	1.2	2.1	.3									3.5	4.1
ENE	2.5	5.9	.5									10.3	4.4
E	5.2	13.3	3.4	1.5								23.3	5.3
ESE	2.4	5.5	4.1	.7	.1							13.3	5.1
SE	1.2	2.5	.9	1.3								5.3	7.3
SSE	.5	2.2	.5									3.4	4.9
S	1.2	.9										2.1	3.5
SSW	.5	.9										1.2	4.3
SW	.5	.4										1.3	3.4
WSW	.4	.7	.1									1.3	4.5
W	.9	2.4	.5									3.3	4.5
WNW	1.3	2.1	1.5	.5	.1							5.5	5.2
NW	.5	2.1	.9	.3								3.3	5.1
NNW	.9	.9	.1									1.9	4.3
VARIABLE													
CALM												15.9	
	20.3	44.3	13.1	5.3	.3							130.3	4.4

TOTAL NUMBER OF OBSERVATIONS

573

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93173 STATION FRESNO AIR TERMINAL CA 73-80 YEARS FEB NORTH  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.1									1.9	4.4
NNE	.7	.1										.4	3.3
NE	.5	.1										.7	3.5
ENE	.4	2.2	.7									3.4	5.1
E	2.5	3.1	3.1	1.2	.1							15.3	6.2
ESE	1.3	9.3	7.5	1.5								19.3	5.7
SE	1.3	5.5	6.5	1.5								15.7	7.2
SSE	1.3	5.2	2.1		.1							9.3	5.5
S	.2	4.6	.7	.1								5.5	5.2
SSW	.9	.3	.3									2.1	4.5
SW	.3	1.5										1.3	4.5
WSW	.3	1.5	.3									2.1	5.2
W	.9	2.2	.9	.1								4.1	5.5
WWW	.4	1.9	1.3	1.2								4.9	7.5
NW	.1	1.5	1.3	1.2								4.5	5.5
NNW	.3	1.0	.9									2.2	5.3
VARBL													
CALM												5.2	
	13.0	83.4	26.3	5.9	.3							129.2	5.9

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	.4									4.3	4.5
NNE	1.2	.7										1.9	3.5
NE	.7	1.3	.3									2.1	4.4
ENE	1.2	.9		.3	.1							2.5	5.8
E	.9	3.5	1.5	1.2								7.1	6.5
ESE	.7	5.8	4.3	1.9								12.4	7.2
SE	.5	3.5	3.1	1.3	.1							8.7	7.4
SSE	1.0	3.7	2.5	.5								7.8	6.2
S	2.4	5.8	1.9	.6								13.5	5.4
SSW	.5	4.9	.4	.3								5.2	5.2
SW	1.3	4.1	.7									5.2	4.8
WSW	1.0	2.7	.3									4.0	4.5
W	.3	2.8	1.2	.1								4.4	5.7
WNW	.5	2.4	2.5	1.3	.1							5.9	8.0
NW	.5	2.8	1.5	1.5	.1							6.3	8.2
NNW	.9	1.9	1.3	.4								4.3	5.2
VARBL													
CALM												4.1	
	15.2	43.8	21.5	9.7	.5							103.3	5.0

TOTAL NUMBER OF OBSERVATIONS

573

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-83  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.2	.6									5.5	4.4
NNE	.7	.4										1.2	3.5
NE	.3	.7	.4	.1								1.5	5.3
ENE	.7	2.7	.4	.1								4.3	5.2
E	1.0	3.4	5.8	1.3	.1	.1						9.9	7.7
ESE	1.0	3.1	2.5	1.3								8.3	6.9
SE	.4	2.5	2.4	1.5								5.3	7.9
SSE		3.8	1.9	.4								5.3	5.8
S	1.3	4.3	.7	.1								6.5	5.1
SSW	.5	1.8										2.4	4.4
SW	.4	1.5	.3									2.2	4.8
WSW	.5	2.5	.2									4.3	5.3
W	.9	1.4	1.5									4.1	5.5
WNW	.7	4.4	4.3	2.8	.3							12.2	5.3
NW	.3	5.9	5.2	2.5	.3	.3						14.5	8.2
NNW	.5	4.1	2.4	.5								7.7	6.6
VARBL													
CALM												3.1	
	11.8	45.3	27.1	10.9	.7	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

573

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 73-80 YEARS FEB MONTH 1933-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	5.2	.5									7.3	4.5
NNE	1.3	1.2	.3									2.5	4.4
NE	.1	.9	.5									1.5	5.3
ENE	.7	4.3	1.1									6.3	5.0
E	1.9	5.5	2.7	.9								13.9	5.9
ESE	2.2	4.3	1.8	1.3								9.5	5.2
SE	.3	2.7	.9	.5								4.4	6.5
SSE	.3	2.5	.3									3.1	4.8
S	1.5	2.7	.3									4.4	4.2
SSW	.9	1.2	.3									2.4	4.5
SW	.4	.6		.1								1.2	4.9
WSW	.4	1.3		.1								1.5	4.4
W	.4	2.7	.9	.1								4.1	5.5
WNW	.9	4.4	3.2	1.5								13.3	7.3
NW	1.3	7.4	2.7	1.3	.1							13.3	5.5
NNW	1.2	8.7	.9									10.3	4.8
VARBL													
CALM												5.9	
	15.3	54.3	16.4	5.5	.1							100.3	5.2

TOTAL NUMBER OF OBSERVATIONS 575



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS FEB MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER  
 CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.6	.4									4.1	4.1
NNE	1.5	1.3	.3									3.1	4.3
NE	1.5	3.2	.7	.1								5.3	4.7
ENE	3.5	12.8	1.2									17.5	3.5
E	3.3	13.2	2.4	.3								15.7	5.3
ESE	.5	4.3	1.6	1.8								8.3	7.3
SE	.9	2.2	1.0	.3	.1							4.5	5.4
SSE	.4	1.3	.3									2.5	4.9
S	.3	1.3										1.5	4.4
SSW	.4	.4	.1									1.3	4.7
SW	.9	.4	.3	.1								1.3	4.7
WSW	.3	.5	.4									1.3	5.1
W	1.3	2.4	1.5									5.3	5.2
WNW	1.5	3.7	2.4	.7								8.4	5.1
NW	.5	2.1	1.3	.9								5.3	7.4
NNW	.3	1.3	.4	.3								2.1	5.4
VARBL													
CALM												13.5	
	23.2	49.4	15.3	4.6	.1							110.3	4.3

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	.3									3.7	4.3
NNE	.9	.9	.1									1.9	3.9
NE	1.1	1.6	.3	.0								3.0	4.4
ENE	2.2	5.9	.9	.1	.0							9.0	4.5
E	3.2	9.1	2.9	.9	.0	.7						15.9	5.5
ESE	1.3	5.0	3.2	1.3	.0							10.9	5.5
SE	.7	3.1	2.3	1.1	.0							7.3	7.1
SSE	.5	2.7	1.1	.1	.0							4.5	5.3
S	.1	2.6	.5	.1								4.4	4.9
SSW	.5	1.4	.1	.0								2.2	4.7
SW	.5	1.2	.2	.3								2.0	4.5
WSW	.5	1.4	.3	.0								2.3	4.5
W	.3	2.4	1.1	.1								4.4	5.4
WNW	.0	3.0	2.2	1.1	.1							7.3	5.9
NW	.7	3.2	2.0	1.1	.1	.3						7.1	7.4
NNW	.7	2.5	.7	.2								4.1	5.5
VARBL													
CALM												9.7	
	17.3	49.2	18.1	5.3	.3	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 5424

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

07-93 STATION FRESNO AIR TERMINAL CA 73-80 YEARS MAR MONTH  
 0000-2000 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.4	.1									2.5	4.2
NNE	1.1	1.3										2.4	4.3
NE	.9	1.5	.5									3.1	4.5
ENE	.9	1.1	.8									13.3	4.5
E	3.3	11.6	1.9	.7								17.1	5.1
ESE	1.1	4.7	1.5	1.2								3.5	5.2
SE	1.1	1.6	1.1	.1								3.9	5.5
SSE	.1	1.1	.5									1.7	5.5
S	.3	1.2	.3	.1								1.9	5.5
SSW	.5	.4										.9	3.4
SW	.9	.8	.4									2.3	4.3
WSW	.3	.9										1.1	4.5
W	.3	2.4	1.3	.4								4.4	5.5
WNW	.1	.4	4.3	2.4								12.9	7.5
NW	.7	4.7	3.4	2.8	.4							12.3	8.2
NNW	1.2	2.7	.4	.1		.1						4.5	5.3
VARBL													
CALM												13.1	
	15.1	53.3	15.4	7.9	.4	.1						130.3	5.3

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS 482 MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.6		.1								2.8	4.2
NNE	.3	1.3	.1									2.3	4.2
NE	1.5	2.8	.4									4.5	4.3
ENE	1.9	7.3	.7									7.3	4.7
E	4.3	11.8	.9	.4								17.2	4.7
ESE	1.3	5.3	2.3	1.1	.1							9.5	5.3
SE	1.2	1.3	.9	.7								4.2	5.2
SSE	.7	.9										1.5	4.1
S	.1	.9	.1									1.1	4.5
SSW	.1	.5										.7	3.8
SW	.3	.3	.3									.3	5.3
WSW	.4	.7	.3									1.5	4.8
W	.4	2.8	.3									3.5	5.3
WNW	.7	4.5	4.3	1.9								11.2	7.2
NW	.3	4.2	3.5	1.5	.5	.1						13.8	7.9
NNW	.9	2.3	1.3	.1								4.7	5.4
VARBL													
CALM												13.4	
	15.4	48.5	15.1	5.8	.7	.1						100.3	4.9

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

83193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

442  
MONTH

ALL WEATHER  
CLASS

3523-3833  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.5	.3									2.7	4.3
NNE	.7	.8										1.5	3.7
NE	.3	2.3	.1									3.2	4.5
ENE	2.7	5.9	1.3	.1								9.4	5.0
E	3.2	12.5	2.2	.1		.1						18.2	5.0
ESE	1.1	5.7	2.5	.8	.1							11.3	6.2
SE	.7	1.7	1.7	.4								4.5	5.3
SSE	.8	1.5	.3	.3								3.0	5.4
S	1.3	.8	.3	.1								2.5	4.5
SSW	.3	.9	.1									1.3	4.5
SW	.1	.9	.1									1.2	4.5
WSW	1.1	.9	.1									2.2	4.1
W	.3	2.7	1.1	.1								4.7	5.4
WNW	.5	3.8	2.5	1.2	.3							8.3	7.5
NW	.9	5.7	3.0	3.5	.3							13.3	8.3
NNW	.9	1.2	.5									2.7	4.9
VARB.													
CALM												9.3	
	15.3	53.1	15.3	6.7	.7	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS 4AR NORTH  
ALL WEATHER  
CLAS  
CONDITION  
0900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	.4									2.3	4.8
NNE	.3	.3	.1									1.2	4.7
NE	.7	.3	.4									1.3	4.4
ENE	.5	1.0	.3									2.3	5.2
E	.1	5.1	2.3	.4	.1							9.3	5.1
ESE	1.3	3.2	6.1	1.1	.1							13.9	7.0
SE	.7	4.8	7.5	2.0								15.1	7.4
SSE	.7	2.4	3.4	.4	.1							7.3	5.9
S	.9	5.0	1.5	.1	.1							7.3	5.5
SSW	.5	.9	.7									2.2	5.2
SW	.1	2.0	.3									3.4	4.3
WSW	.4	1.3	.1									1.7	4.9
W	.7	2.0	2.3	.3								5.5	7.3
WNW	.7	2.7	2.3	3.3	.1							9.3	8.4
NW	.4	1.9	5.0	3.5	.7							11.5	9.9
NNW	.1	1.7	.7	.3								2.3	5.5
VARB													
CALM												3.2	
	17.5	39.9	34.2	11.7	1.3							110.3	5.5

TOTAL NUMBER OF OBSERVATIONS 743

## SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)**

STATION	FRESNO AIR TERMINAL CA
STATION NAME	

73-90

433

STATION

STATION NAME

\*\*\*

**MONTH**

## ALL FEATHERS

**CLASS**

1233-1433

HOURS (L.S.T.)

### CONDITION

SPTD (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.	.3									5.3	5.7
NNE	.4	1.1										1.5	4.7
NE		1.5	.1	.1								1.7	5.1
ENE	1.2	1.7	.3									3.2	4.4
E	.4	1.7	.4	.5	.1							3.2	5.8
ESE	.4	3.2	1.9	1.1								5.5	7.3
SE	.4	2.2	3.2	1.5	.1							7.5	3.2
SSE	.7	3.5	3.8	1.5								13.3	7.3
S	.4	4.3	5.7	.5	.1							13.9	5.9
SSW	.7	1.5	1.2									3.5	5.5
SW	.7	1.7	.4	.1								3.7	5.7
WSW	.9	1.7	.7									3.4	5.3
W	.5	2.2	2.4	.5								5.7	5.9
WNW	.7	3.9	5.5	1.5	.5	.1						11.7	8.4
NW	.1	2.8	5.9	3.9	1.3							15.1	9.8
NNW	.7	3.1	2.7	.3								5.5	5.5
VARIABLE													
CALM												2.4	
	3.1	43.5	34.5	11.5	2.3	.1						133.2	7.1

**TOTAL NUMBER OF OBSERVATIONS**

743

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL SA 73-83 YEARS 4A2 MONTH 1500-1700 HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	4.0	1.7	.3								7.3	5.9
NNE	.1	1.1	.3	.1	.1							1.7	5.8
NE	.3	1.1	.5	.3								2.2	5.2
ENE	.4	1.3	1.1	.1								3.2	5.3
E	.4	2.2	1.5	.5								5.2	5.3
ESE	.3	1.6	1.5	.5								4.7	7.0
SE	.7	1.7	1.9	1.5								5.9	8.1
SSE	.3	2.6	1.3	.4								4.5	5.5
S	1.5	3.8	2.4	.5								5.3	5.0
SSW	.1	.5	.3	.3								1.5	7.7
SW	.3	1.5	.5	.1								2.4	5.7
WSW	.1	1.5	.1									1.9	4.9
W	.7	2.3	1.3	.3								4.5	5.3
WNW	.1	3.5	4.4	2.3	.8	.1						12.7	9.3
NW	.5	3.9	8.9	5.7	1.7	.4						21.5	13.2
NNW	.3	5.6	5.9	1.3								13.2	7.3
VARB.													
CALM												1.1	
	7.1	39.4	33.7	15.3	2.7	.5						100.3	7.5

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 73-80 YEARS MAR MONTH 1900-2000 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	7.1	.3									9.1	4.7
NNE	.3	2.0	.4									3.0	5.2
NE	.1	2.6	.3									3.0	4.9
ENE	1.1	2.4	.5									4.2	4.9
E	1.2	3.5	1.3	.1								6.3	5.3
ESE	.3	3.1	1.9	.4								5.5	5.4
SE	.3	3.4	.9	.4								5.3	5.3
SSE	.4	1.7	.3	.3								2.3	5.5
S	.5	2.3	.9	.3								4.3	5.2
SSW	.1	.2	.1	.1								1.2	5.7
SW	.3	.1										.5	3.5
WSW		1.1	.3									1.3	5.2
W	.5	2.3	.5	.3								3.5	5.7
WNW	.4	5.4	3.3	2.7								12.2	7.5
NW	1.5	7.4	5.9	5.9	.7	.1						22.4	3.7
NNW	1.5	7.1	3.5	.1								12.5	5.7
VARBL													
CALM												3.2	
	17.2	52.6	22.5	13.5	.7	.1						100.3	5.3

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 02193 STATION NAME FRESNO AIR TERMINAL CA YEARS 73-80 NORTH 44.2  
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7										2.7	4.2
NNE	1.5	1.5	.3									3.2	4.3
NE	1.7	2.7										4.4	4.3
ENE	2.2	3.7	.5									11.7	4.5
E	2.3	7.7	1.9	.3								11.3	5.0
ESE	.7	4.3	1.3	.5								7.4	5.5
SE	.7	2.7	1.2	.7								4.5	5.7
SSE	.3	1.2	.4									2.3	4.9
S	.4	1.2	.7									2.3	5.1
SSW	.3	.3										.5	3.3
SW	.5	.4	.4									1.3	4.9
WSW	.9	1.1										2.3	3.9
W	1.5	1.9	2.5	.5	.1							5.7	5.4
WNW	.3	5.6	4.3	3.4	.1							14.3	7.9
NW	.7	3.9	5.3	2.7	.3							12.5	8.1
NNW	1.1	3.7	.3	.1								5.3	5.1
VARB													
CALM												7.0	
	15.1	43.3	20.2	3.2	.5							113.3	5.5

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FRESNO AIR TERMINAL CA STATION NAME 73-83 YEARS 412  
 ALL WEATHER  
 CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.3	.5	.1								4.2	4.3
NNE	.7	1.2	.2	.9	.9							7.1	4.5
NE	.3	1.9	.3	.1								3.3	4.7
ENE	1.4	4.6	.3	.2								5.6	4.3
E	1.9	7.1	1.5	.4	.7	.3						11.3	5.2
ESE	.3	4.3	2.4	.8	.1							3.4	6.5
SE	.7	2.4	2.3	.9	.7							5.3	7.1
SSE	.5	1.9	1.2	.4	.7							4.1	5.4
S	.7	2.5	1.4	.2	.7							4.7	5.1
SSW	.3	.8	.3	.1								1.5	5.2
SW	.5	1.7	.3	.7								1.3	4.3
WSW	.5	1.2	.2									1.7	4.7
W	.7	2.3	1.4	.4	.7							4.5	5.2
WNW	.5	4.4	4.7	2.4	.2	.3						11.5	3.7
NW	.7	4.3	5.3	3.7	.7	.1						14.7	3.9
NNW	.3	3.3	1.7	.3		.7						5.4	5.1
VARBL													
CALM												5.3	
	12.5	35.3	24.1	9.3	1.2	.2						100.2	5.1

TOTAL NUMBER OF OBSERVATIONS 5949

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72172  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-2359  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.6										3.7	4.1
NNE	.7	.7										1.4	3.8
NE	.8	2.4	.3									3.5	4.4
ENE	.5	4.2	.7									5.4	3.9
E	2.1	7.5	.3									9.9	4.2
ESE	.7	2.2	.4									3.3	4.9
SE	.5	1.8	.5									2.7	5.3
SSE	.1	.5		.1								.3	5.2
S	.4	.8	.1									1.4	4.3
SSW		.3	.1									.4	6.0
SW	.1	.4										.5	4.3
WSW	.1	.5	.1									.3	4.8
W	1.2	3.1	1.1	.3								5.7	5.2
WNW	1.2	11.7	11.5	4.3	.4							28.9	7.5
NW	1.2	7.1	5.7	4.2	.3							13.1	7.8
N'W	1.4	3.0	.5	.1								6.0	4.8
VARBL													
CALM												7.2	
	12.2	32.7	21.5	3.7	.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

723

3  
GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAD

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72193 STATION FRESNO AIR TERMINAL CA STATION NAME 73-83 YEARS  
ALL WEATHER CLASS  
CONDITION  
APR MONTH  
0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.9										4.3	4.3
NNE	1.1	.7										1.8	3.7
NE	.7	1.7	.1									2.5	4.2
ENE	2.5	5.5	.5									8.7	4.4
E	2.2	11.1	.7									14.3	4.5
ESE	.7	3.6	1.3	.1								5.4	5.1
SE	.5	1.5	.7									2.8	5.4
SSE	.2	1.2										1.4	4.5
S	.4	.3										.7	3.4
SSW	.1	.1										.3	4.3
SW	.3	.1										.4	4.3
WSW	.3	.7										1.3	3.9
W	1.1	2.4	.9									4.3	4.9
WNW	1.8	9.3	7.9	2.5								21.2	5.9
NW	1.3	5.7	5.1	1.9								14.7	7.3
NNW	1.4	5.1	.3									7.2	4.5
VARBL													
CALM												2.4	
	15.3	52.8	17.2	4.6								100.3	5.3

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93-93 STATION FRESNO AIR TERMINAL CA 73-80 YEARS MONTH APR 3633-3833 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	.1									2.5	4.2
NNE	.4	.2										1.2	4.3
NE	.2	1.1	.3									2.2	4.3
ENE	.7	2.5										3.3	4.3
E	2.2	5.7	2.4	.1								11.4	5.1
ESE	1.2	5.4	2.9	.4								11.5	5.5
SE	.2	4.4	2.1	.3								7.5	5.8
SSE	.2	2.2	.4									3.5	4.7
S	.3	1.5	.4									2.9	4.6
SSW	.5	.7	.3	.1								1.7	5.3
SW	.4	1.4										1.8	4.4
WSW	.5	.8	.1									1.5	4.4
W	.7	1.9	.3									2.9	4.5
WNW	1.3	5.3	5.4	1.3	.1							13.5	5.8
NW	1.2	5.4	6.8	4.9	.1							19.2	8.1
NNW	.7	3.3	1.7									5.7	5.5
VARBL													
CALM												7.4	
	24.4	47.2	23.2	5.8	.3							110.2	5.5

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93195 STATION NAME FRESNO AIR TERMINAL CA YEARS 73-80 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.4	.1	.1								3.2	5.1
NNE	.3	.6	.1									1.0	4.6
NE	.3	1.7	.1									1.4	4.5
ENE	.3	1.1	.3									1.7	4.8
E	.7	3.1	1.3	.7								5.4	5.5
ESE	.8	4.2	5.4	.6								11.0	5.9
SE	.4	3.7	5.3	.5								15.0	5.9
SSE	.5	5.2	4.3									11.1	6.1
S	.9	5.8	2.5	.3								13.5	5.8
SSW	.3	2.4	.7									3.3	5.3
SW	.7	2.6	.8									4.2	5.2
WSW	.5	1.8	.3	.1								2.8	5.0
W	.8	1.8	2.5	.7								6.0	7.1
WNW	.3	2.2	4.9	2.9	.4							13.7	9.5
NW	.3	2.5	5.4	3.7	.4							12.4	9.3
NNW	.1	2.4	1.5	.3								4.3	6.7
VARBL													
CALM												1.1	
	7.8	44.7	35.5	12.0	.8							110.0	5.3

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAD

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

97193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS APR MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.7	2.4	.3								5.9	5.4
NNE	.4	1.1	.4									1.9	5.3
NE	.5	1.3	.4									2.3	5.2
ENE	.7	1.9	.4	.1								3.2	5.3
E	.7	2.4	1.5	.5								5.1	5.3
ESE	.1	2.4	1.7	.7								4.2	7.1
SE	.3	2.4	3.1									5.7	5.5
SSE	.3	2.2	2.5	.5								5.7	5.7
S	.5	4.5	3.7									9.9	5.1
SSW	.4	2.9	1.8	.3								5.4	5.0
SW	.7	2.8	.4									3.9	5.7
WSW	1.7	2.8	1.7									5.4	5.5
W		2.1	3.6	.4								5.1	7.4
WNW	.4	3.7	5.3	3.3	.1	.1						13.2	8.5
NW	.1	2.3	5.4	3.3	.5	.5						12.3	12.0
NNW	.3	3.5	3.2	.8	.1							7.9	7.3
VARBL													
CALM												.3	
	5.9	43.3	36.9	17.4	.8	.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

92193 STATION FRESNO AIR TERMINAL CA 73-82 YEARS 1973  
 MONTH 1500-1700  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	5.3	3.3	.3								9.2	5.2
NNE	.5	1.2	.4									2.2	5.1
NE	.3	.7	.1									1.1	4.9
ENE	.7	1.9										2.5	4.4
E	.1	2.1	1.4	.1								3.7	5.1
ESE	.1	1.5	1.7	.3								3.5	7.2
SE	.3	1.3	1.5	.5								3.3	7.7
SSE	.1	1.5	.5	.1								2.4	5.9
S	.3	3.9	1.2									5.4	5.5
SSW	.4	1.1	.9	.3								2.5	5.5
SW	.4	.7	.8	.3								2.2	5.5
WSW	.5	2.1	1.1									3.7	5.5
W	.3	2.1	2.9	.7		.1						5.2	7.7
WNW	.4	3.1	8.2	4.2	.5							15.4	9.0
NW	.1	5.0	10.7	5.9	1.1	.9						24.7	10.1
NNW		3.5	5.1	.5	.4							9.5	7.9
VARBL													
CALM												.3	
	5.1	35.7	40.7	14.3	2.1	1.0						100.3	7.8

TOTAL NUMBER OF OBSERVATIONS 123

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

92123 STATION FRESNO AIR TERMINAL CA STATION NAME 73-30 YEARS APR MONTH 1930-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	5.9	.5	.1								9.5	4.9
NNE	.4	1.5	.3									2.2	4.8
NE		1.2	.1									1.4	5.2
ENE	.3	2.4	.4									3.1	5.0
E	.3	2.1	.5									2.9	5.5
ESE	.5	1.8	.5									2.9	5.2
SE	.1	1.7	.7									1.8	5.8
SSE	.3	.4	.3	.1								1.1	5.4
S	.3	1.2	.4									1.9	5.3
SSW	.3	.4	.5	.4	.1							1.8	8.3
SW		.3	.4	.1								.8	8.0
WSW	.4	.1	.1	.3								1.0	5.9
W	.1	2.1	1.8	.8								4.9	7.7
WNW	.1	4.9	7.9	5.1	.4	.1						18.5	9.2
NW	.4	7.7	13.1	8.3	1.0	.4						30.5	9.2
NNW	.4	3.5	5.1	.8								15.0	6.5
VARBL													
CALM												1.5	
	5.3	42.2	32.9	15.2	1.5	.5						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23123 STATION FRESNO AIR TERMINAL CA STATION NAME 73-30 YEARS MONTH APR 2113-2333 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.4	.1									3.7	4.2
NNE	.5	1.4										1.9	3.9
NE	.7	1.9										2.5	4.4
ENE	.5	5.3	.3									5.1	4.7
E	1.2	3.2	.3									4.7	4.4
ESE	.5	.7	.5									1.3	5.3
SE	.4	.4	.3									1.1	4.5
SSE	.4	1.2	.1									1.5	4.5
S	.3	1.1	.3									1.7	4.8
SSW		.4	.4									.3	5.3
SW	.1	.5	.4									1.1	5.3
WSW	.1	.8	.3									1.2	5.2
W	.1	4.7	1.5	1.7								5.7	5.7
WNW	.1	12.2	8.9	5.3	.3							27.0	7.9
NW	.7	9.7	6.8	5.4	.7	.1						24.4	3.5
NNW	1.7	5.1	1.1	.1								7.4	5.2
VARBL													
CALM												5.3	
	5.2	51.6	21.4	13.5	1.0	.1						132.0	5.4

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS MONTH ALL HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	3.5	.3	.1								5.2	5.2
NNE	.5	1.0	.2									1.7	4.5
NE	.5	1.5	.2									2.2	4.5
ENE	.3	3.1	.3	.3								4.3	4.7
E	1.2	4.3	1.3	.2								7.2	5.1
ESE	.7	2.8	1.7	.3								5.5	5.1
SE	.4	2.1	1.8	.2								4.4	5.3
SSE	.3	2.3	1.3	.1								3.5	5.8
S	.5	2.5	1.1	.3								4.2	5.5
SSW	.3	1.0	.5	.1	.3							2.3	5.1
SW	.3	1.1	.4	.1								1.9	5.4
WSW	.5	1.2	.5	.1								2.2	5.3
W	.5	2.4	1.3	.5		.3						5.3	5.5
WNW	.7	5.6	7.5	3.5	.3	.3						13.7	3.3
NW	.5	5.9	7.4	5.3	.5	.2						19.5	3.8
NNW	.7	4.4	2.3	.3	.1							7.9	5.2
VARBL													
CALM												4.2	
	9.5	35.0	28.5	12.5	.9	.3						173.3	5.5

TOTAL NUMBER OF OBSERVATIONS 5750

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93195 STATION FRESNO AIR TERMINAL CA 73-83 YEARS MAY MONTH  
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7										3.4	4.0
NNE	.5	.5	.1									1.2	4.0
NE	.7	1.1	.1									1.5	4.5
ENE	.3	1.5	.1									1.9	5.1
E	.5	2.3	.1									3.4	4.3
ESE	.3	.9	.1									1.3	4.5
SE	.4	.3	.1									.3	4.3
SSE			.1	.1								.3	10.5
S	.4	.3										.7	3.5
SSW		.5										.5	5.3
SW													
WSW	.1	.7	.1									.9	5.4
W	.3	2.9	1.3	.5								5.0	5.5
WNW	.5	14.1	17.5	7.0	.3							40.5	7.9
NW	1.3	17.9	19.3	4.4	.4							27.4	7.5
NNW	.5	5.1	1.1	.3								7.3	5.1
VARBL													
CALM												4.3	
	7.9	43.5	31.5	12.4	.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

94193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS MONTH MAY  
 0300-2500 HOURS (L.S.T.)

ALL WEATHER  
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.7										4.7	3.9
NNE	.1	.4										.9	4.1
NE	.7	.7	.1									1.5	4.2
ENE	.9	4.6										5.3	4.4
E	1.6	5.1	.8									7.3	4.5
ESE	.3	1.2	.1									2.2	4.1
SE	.4	.5	.1									1.1	4.4
SSE	.3	.3	.1									.7	4.6
S	.1	.1										.3	3.5
SSW	.3	1.1										1.3	4.4
SW	.1	.3										.4	3.7
WSW	.3	.4										.7	4.0
W	.3	2.4	.7	.1								4.3	5.4
WNW	2.2	13.3	10.2	3.9								28.5	6.8
NW	1.6	1.9	9.7	3.2								25.3	7.1
NNW	2.7	5.4	1.5	.1								9.7	4.8
VARBL													
CALM												6.3	
	14.3	49.6	23.1	6.5								103.3	5.6

TOTAL NUMBER OF OBSERVATIONS 744

3  
3033AL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 48193 STATION NAME FRESNO AIR TERMINAL CA YEARS 73-80 MONTH MAY  
ALL WEATHER  
CLASS  
CONDITION  
2630-2830  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.6	.1									2.4	4.3
NNE	.3	.9										1.2	3.9
NE	.3	.8	.1									1.2	4.7
ENE	.5	1.6										2.2	4.4
E	.7	5.4	1.2									8.3	4.9
ESE	.9	3.5	3.5	.5								8.3	5.4
SE	.5	3.2	2.5	.1								7.1	5.9
SSE	.4	1.9	.5	.1								3.2	5.4
S	.4	.9	.5									1.7	5.3
SSW	.4	.7										1.1	4.1
SW	.4											.4	3.3
WSW	.3	.4	.3									1.5	4.1
W	.4	1.7	1.2	.1								3.5	5.3
WNW	1.6	7.7	9.1	3.2	.1							21.3	7.4
NW	.3	7.7	11.7	4.8	.3							23.4	8.4
NNW	1.5	4.6	1.3	.5								7.9	5.5
VARB													
CALM												5.3	
	1.2	42.3	31.6	9.5	.4							100.2	6.3

TOTAL NUMBER OF OBSERVATIONS 748

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

95193      FRESNO AIR TERMINAL CA      73-80      MAY  
 STATION      STATION NAME      YEARS      MONTH  
 CLASS      0900-1100  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.2	.5									3.2	5.1
NNE	.1	.7										.3	4.2
NE	.1	.7										.3	4.2
ENE	.4	.9										1.3	4.2
E	.3	2.7	1.2									3.5	5.7
ESE		3.4	2.7	.3								5.5	5.4
SE	.5	2.8	5.7	.3								3.5	5.3
SSE	.5	4.7	2.7	.3								8.2	5.2
S	.8	5.6	2.5									9.7	5.5
SSW	.4	2.3	.3									3.2	5.2
SW	.7	2.4	.7									3.3	5.2
WSW	.4	2.4	2.2									5.3	5.0
W	.7	5.1	5.2	.7								11.7	5.7
WNW	.7	5.7	7.5	2.5	.1							15.9	7.9
NW	.3	3.5	5.3	2.5	.4							12.5	8.4
NNW	.3	1.9	2.7									5.4	6.1
VARBL													
CALM												1.5	
	7.3	45.7	33.3	5.5	.5							100.7	6.5

TOTAL NUMBER OF OBSERVATIONS      743



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07123 STATION NAME FRESNO AIR TERMINAL, CA YEARS 73-80 DAY 1AY  
MOUTH NORTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 1230-1430  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	8.7	1.5									5.7	5.5
NNE		1.7	7.5									2.3	5.4
NE		.5	.3									.9	5.9
ENE	.3	.3	.1	.1								1.3	5.5
E	.1	2.7	.1									2.3	4.7
ESE	.7	.4	.7									1.3	5.0
SE	.3	1.1	.5									1.7	5.5
SSE	.1	1.1	.9									2.2	5.9
S	.5	2.2	1.2									4.3	5.4
SSW	.1	3.2	1.5									4.3	5.3
SW	.4	3.4	1.1	.1								5.3	5.5
WSW	.3	5.0	3.3	.3								9.3	5.4
W	.7	5.9	1.1	1.7								18.4	7.4
WWW	1.1	5.6	9.9	1.5	.1	.1						19.3	7.5
NW	.5	3.7	7.7	2.2	.3							12.9	3.3
NNW	.3	3.4	3.7	.3								5.9	5.5
VARB.													
CALM												1.2	
	5.7	14.3	42.2	5.2	.3	.1						139.3	5.7

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 52193 STATION NAME: FRESNO AIR TERMINAL CA YEARS: 73-83 MONTH: MAY  
CLASS: ALL WEATHER MONTH: 1500-1700  
CONDITION: \_\_\_\_\_ HOURS (L.S.T.): \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.5	1.7	.3								5.2	5.2
NNE		.8	.2									.9	5.6
NE		.7	.3	.1								1.1	7.0
ENE	.1	.5	.3									.9	5.1
E	.3	.5										.3	4.2
ESE		.4	.4	.3								1.1	9.8
SE		.1										.1	5.0
SSE	.4	.4	.3	.3								1.3	6.8
S	.1	1.3	.3									1.7	5.1
SSW	.1	.4	.3									.3	5.5
SW		1.5	.7	.1								2.4	5.4
WSW	.1	3.5	2.3	.3	.3							5.5	7.3
W	.4	4.2	12.9	1.5								19.5	7.9
WNW	.1	4.8	14.7	4.5	.4							24.5	8.7
NW	.1	4.8	12.8	7.3	.5	.1						25.7	9.3
NNW	.1	2.7	3.5	1.1								7.4	7.6
VARBL													
CALM												.7	
	2.4	29.4	50.4	15.7	1.2	.1						100.3	5.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FRESNO AIR TERMINAL CA STATION NAME 73-30 YEARS 44  
MONTH MAY  
CLASS ALL WEATHER  
HOURS (L.S.T.) 1830-2030  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.3									1.5	5.9
NNE		.1	.3									.4	8.3
NE		.2										.3	5.3
ENE	.1	.5	.5									1.2	5.3
E	.2	1.1	.5	.1								2.3	5.1
ESE		.9	.5	.1								1.5	5.5
SE													
SSE		.2	.1									.4	5.3
S		.0	.3									.7	5.8
SSW	.1	.3	.1									1.1	5.4
SW		.1	.1									.3	7.3
WSW	.1	.7		.1								.9	5.3
W	.1	3.7	7.5	3.1	.3							14.3	9.3
WNW	.1	2.9	25.7	12.2	.4							48.4	8.9
NW		2.6	9.7	9.5	1.1	.3						21.5	13.7
NNW	.4	3.1	1.5	.1								5.2	5.2
VARBL													
CALM												.5	
	1.3	25.3	46.6	24.5	1.7	.3						37.7	8.8

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-83  
YEARS

4AY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.9	.1									2.7	4.4
NNE	.1											.1	3.3
NE	.1	.4										.5	4.3
ENE	.7	1.7	.1									2.5	4.7
E	.3	.9										1.2	4.5
ESE	.1	.5	.3									.9	5.3
SE		.1		.1								.3	8.2
SSE		.5	.1									.7	5.2
S		.1										.1	5.3
SSW	.1	.1										.3	4.3
SW	.1	.5										.7	4.3
WSW	.3	.5										.9	5.3
W	.9	3.1	2.7	1.5								9.1	7.3
WNW	1.3	15.1	19.9	9.9	1.1	.1						48.3	9.3
NW	.7	5.9	9.1	9.4	.8	.4						27.3	9.6
NNW	.3	2.4	.9	.5								4.3	5.3
VARBL													
CALM												1.5	
	5.6	35.0	33.1	21.4	1.9	.5						133.3	9.2

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-90  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.4	.5	.3								5.7	5.3
NNE	.2	.7	.1									1.3	4.8
NE	.2	.5	.1	.3								1.3	5.3
ENE	.4	1.5	.2	.9								2.1	4.8
E	.7	2.4	.5	.7								3.5	4.9
ESE	.3	1.4	1.2	.2								2.3	6.1
SE	.3	1.1	1.2	.1								2.5	6.1
SSE	.2	1.1	.5	.1								2.1	6.3
S	.4	1.4	.5									2.3	5.3
SSW	.2	1.1	.3									1.5	5.3
SW	.2	1.3	.3	.2								1.5	5.4
WSW	.3	1.7	1.1	.1	.2							3.2	6.2
W	.5	3.5	5.2	1.2	.3							13.5	7.5
WNW	.1	2.6	14.3	5.5	.3	.3						37.3	8.1
NW	.5	5.2	9.3	5.3	.5	.1						22.3	8.7
NNW	.2	3.5	1.9	.4								6.7	5.9
VARBL													
CALM												2.5	
	7.1	39.4	37.1	12.8	.9	.1						133.3	7.1

TOTAL NUMBER OF OBSERVATIONS

5952

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 02193 FRESNO AIR TERMINAL CA 73-83 YEARS JUN  
 MONTH  
 0000-2359  
 HOURS (L.S.T.)  
 ALL WEATHER  
 CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.5	.3									2.3	4.3
NNE	.3	.5										.8	3.3
NE	.3	.4										.7	3.8
ENE	.4	.4	.1									1.3	4.4
E	.4	2.2	.1									2.8	4.4
ESE		.3	.1									.4	5.2
SE			.1									.1	9.2
SSE		.1										.1	4.3
S	.1	.9										.5	4.2
SSW		.1		.1								.3	7.5
SW	.1	.3										.4	4.2
WSW	.3	.3	.1									.7	4.9
W	.5	2.2	1.5	.7								5.3	5.5
WNW	.3	13.5	23.6	7.4	.4							45.7	8.1
NW	.3	7.9	14.7	7.5	.3							32.7	8.5
NNW	.5	3.3	1.2									5.1	5.4
VARBL													
CALM												2.5	
	5.2	33.6	41.4	15.9	.7							133.3	7.4

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 FRESNO AIR TERMINAL CA 73-83 JJY  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1300-3500  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.5	.1									3.5	4.3
NNE	.3	.5										.3	4.3
NE	.3	.1										.3	3.3
ENE	.4	1.5	.4									2.4	5.0
E	1.4	3.5										4.9	4.2
ESE	.4	1.7	.3									2.4	4.5
SE	.1		.1									.3	5.0
SSE	.4	.3										.7	3.8
S		.7										.7	4.5
SSW	.1											.1	3.3
SW	.3											.3	3.3
WSW	.1	.4	.1									.7	4.8
W	.3	2.7	.5									3.7	5.1
WNW	2.2	12.1	12.5	1.9								23.7	5.7
NW	.5	13.9	14.5	3.3	.1							32.5	7.3
NNW	1.0	7.6	1.0									9.5	5.3
VARBL													
CALM												9.3	
	3.7	47.3	29.7	5.3	.1							133.1	5.7

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73193 STATION NAME FRESNO AIR TERMINAL CA YEARS 73-87 MONTH JUN  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 500-3800  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.5	.1									4.2	4.3
NNE	.4	.3										.7	3.5
NE		.3										.3	5.3
ENE	1.7	1.3										1.9	4.1
E	.4	4.7	1.2	.1								5.7	5.2
ESE	.7	4.4	3.3	.1								3.5	5.3
SE		2.5	2.1	.1								4.9	5.3
SSE	.3	2.8	.9									4.4	5.3
S	.3	1.7										1.2	4.5
SSW	.1	.3										.4	3.7
SW	.4	.7	.3									1.4	4.7
WSW	.7	.7	.1									1.5	4.3
W	.3	3.0	1.0									5.7	5.1
WNW	1.1	3.1	13.3	1.4								23.5	5.9
NW	.5	7.5	14.2	4.9	.1							27.4	3.2
NNW	.3	3.2	1.1	.1								5.3	5.5
VARBL													
CALM												4.9	
	9.9	44.0	34.3	5.3	.1							130.3	5.2

TOTAL NUMBER OF OBSERVATIONS 722



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION ROPER AIR TERMINAL CA STATION NAME 73-33 YEARS JUN MONTH 1973-1105 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	1.7									1.3	5.2
NNE		.7										.7	4.2
NE	.7	.7										1.3	4.1
ENE	.1	.7	.1									1.3	4.9
E	.5	1.4	1.7									2.9	5.3
ESE	.1	2.0	1.9	.4								5.4	5.7
SE	.2	3.7	3.3	.5								8.1	5.7
SSE	.4	4.2	4.7	.3								9.5	5.7
S	.4	5.1	2.1	.1								8.7	5.8
SSW	.1	2.5	.5									3.3	5.3
SW	.5	4.3	.7									5.5	4.9
WSW	.4	2.8	2.4									5.5	5.2
W	.5	5.4	7.1	.1								13.2	5.5
WNW	.3	5.1	5.8	1.7								14.2	5.9
NW		5.7	6.2	1.9								13.2	7.7
NNW	.1	2.8	1.4	.5								4.9	5.5
VARBL													
CALM												1.3	
	4.4	55.3	39.3	5.3								100.3	5.4

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

92193 STATION FRESNO AIR TERMINAL CA STATION NAME 73-31 YEARS JULY MONTH 1200-1400 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.5	.5									3.7	5.3
NNE	.3	.7	.1									1.1	4.8
NE	.4	.6										1.0	4.1
ENE	.1	.1	.1									.3	5.3
E	.1	.3	.1									.5	4.8
ESE	.1	1.4	.7									2.2	5.8
SE		1.5	.5	.1								2.2	5.8
SSE		1.9	1.4									3.3	5.3
S	.7	3.7	1.9									5.3	5.8
SSW	.9	3.3	1.4									5.1	5.3
SW	.5	4.7	3.5									9.1	5.1
WSW	.3	4.7	4.7	.3								10.3	5.7
W	.8	7.9	11.3	1.8	.1							21.2	7.3
WNW	.3	5.7	9.2	1.5	.1							17.1	7.5
NW	.1	3.5	6.2	1.1								11.3	7.9
NNW	.3	2.5	2.3	.3								5.3	5.8
VARB													
CALM												.4	
	4.9	45.7	44.3	5.1	.3							113.3	5.7

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
JEA/FETAC  
AIR WEATHER SERVICE/MAG

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: 52193 STATION NAME: FRESNO AIR TERMINAL CA YEARS: 73-80 MONTH: JJY  
CLASS: ALL WEATHER HOURS (L.S.T.): 1500-1700  
CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	.5									2.3	5.5
NNE		.5										.5	4.7
NE		.3										.3	5.7
ENE		.3										.3	4.5
E	.1	.5	.3									1.7	5.9
ESE	.1	.5	.1									.3	5.5
SE	.1	.3										.3	4.7
SSE	.1	.7	.4									1.2	5.1
S	.3	1.7	.3									2.1	5.7
SSW		1.4	1.2									2.5	5.5
SW	.4	1.3	.7	.4								3.3	5.1
WSW	.1	2.2	4.3	.4								7.1	7.4
W	1.4	5.2	12.5	4.2	.1							24.5	8.1
WNW	.1	7.2	15.8	7.2	.1							37.5	9.7
NW	.1	2.9	7.3	5.5	.1							15.5	7.4
NNW	.3	2.5	2.5	.4								5.7	7.7
VARB.													
CALM												.5	
	3.5	33.1	47.2	19.2	.4							133.2	3.2

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

97193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1973-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	.3									.3	5.5
NNE		.1										.1	5.3
NE		.3										.3	4.7
ENE		.1		.3								.4	5.7
E		.3	.3	.1								.7	7.5
ESE	.1	.8										1.0	5.1
SE	.1	.4	.5									.3	5.2
SSE		.2										.3	5.3
S	.2	.7	.1									1.1	4.9
SSW	.1	.4	.5									1.1	5.4
SW	.1	.4	.3									.3	5.2
WSW		.3	.7									1.3	5.5
W	.1	4.3	15.4	2.5	.3							22.5	8.2
WNW	.3	9.6	27.8	12.3	.4							53.3	9.3
NW	.4	1.7	5.3	5.9	.3							15.1	13.2
NNW		1.4	.7									2.1	5.7
VARBL													
CALM												.3	
	.3	22.1	52.2	22.5	1.3							173.3	8.5

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

47193  
STATION

FRESNO AIR TERMINAL EA  
STATION NAME

73-80  
YEARS

JJY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.2										1.3	4.3
NNE	.2	.7										1.5	4.3
NE	.1	.4										.5	4.3
ENE		.3	.1									.4	7.3
E	.4		.1									.5	4.5
ESE	.1	.1	.1									.4	4.7
SE				.1								.1	11.2
SSE		.1	.3									.4	5.3
S	.1	.1										.3	4.3
SSW	.1	.3										.3	4.3
SW	.1	.7	.1									1.3	4.9
WSW	.3	1.0	.4									1.7	4.9
W	.4	1.3	3.9	.9								5.9	7.7
WNW	.5	15.5	27.4	19.2	.3							51.9	8.9
NW	.1	4.4	9.3	5.9	.5	.1						21.5	7.5
NNW		.4	.5									1.3	5.1
VARB.													
CALM												.3	
	2.2	25.9	42.4	25.1	.9	.1						133.2	8.5

TOTAL NUMBER OF OBSERVATIONS 723

5.03A CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

93693 STATION PESNO AIR TERMINAL CA 73-80 YEARS JJV MONTH  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	.4									2.5	4.3
NNE	.2	.5	.3									.7	4.1
NE	.2	.4										.5	4.1
ENE	.3	.5	.1	.3								1.1	5.3
E	.5	1.6	.4	.3								2.5	5.9
ESE	.2	1.5	.3	.1								2.7	5.9
SE	.1	1.1	.3	.1								2.1	5.4
SSE	.2	1.4	1.3	.3								2.5	5.1
S	.3	1.7	.5	.2								2.5	5.5
SSW	.1	1.1	.5	.2								1.7	5.5
SW	.3	1.5	.7	.1								2.5	5.5
WSW	.3	1.5	1.5	.1								3.5	5.4
W	.5	4.3	6.5	1.3	.1							12.9	7.4
WNW	.7	9.9	15.5	5.4	.2							33.7	8.2
NW	.3	5.9	9.3	4.3	.2	.3						21.3	5.5
NNW	.4	3.7	1.4	.2								4.9	5.9
VARB													
CALM												2.3	
	5.3	37.5	41.4	13.1	.4	.2						133.2	7.2

TOTAL NUMBER OF OBSERVATIONS 5753

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

05193 STATION FRESNO AIR TERMINAL CA 73-33 YEARS JJ MONTH  
STATION STATION NAME CLASS 0000-0229 HOURS (L.S.T.)  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7										2.3	4.2
NNE	.7	.5										.3	3.7
NE	.1											.1	3.0
ENE	.1	.5										.7	4.2
E	.5	1.5										2.2	4.3
ESE		1.7										1.3	4.5
SE	.1	.1										.3	3.5
SSE		.5										.5	5.3
S	.1	.1										.3	3.3
SSW		.7	.3									.5	7.3
SW	.7			.1								.7	5.3
WSW	.7	.1										.7	3.3
W	.7	3.7	1.5	.3								5.2	5.3
WNW	1.7	21.3	21.3	4.5								33.3	7.1
NW	.3	12.2	12.3	4.2								29.3	7.5
NNW	.3	3.7	.1									4.3	4.7
VARB.													
CALM												2.5	
	5.5	45.5	35.2	9.1								103.3	5.5

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-39  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

3300-3500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.7	.1									7.4	4.1
NNE	.7	.5										1.2	3.8
NE	.7	.4										1.1	3.6
ENE	.7	.9										1.5	3.9
E	.2	2.3	.1									3.5	3.9
ESE	.5	2.6										3.1	4.0
SE	.3	.4										.7	4.0
SSE	.5	.5										1.1	3.4
S	.7	.5										.8	3.7
SSW	.1	.1		.1								.4	7.3
SW	.1	.4										.5	4.3
WSW	.3	.8	.1									1.2	4.4
W	.4	3.4	.9									4.7	5.3
WNW	1.7	15.2	7.3	.5								25.3	5.8
NW	1.7	15.2	13.2	1.5								29.5	6.4
NNW	1.7	5.9	1.5	.1								9.3	5.0
VARBL													
CALM												7.9	
	13.7	55.7	20.3	2.3								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

743



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-82  
YEARS

JUL  
MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 55	%	MEAN WIND SPEED
N	2.7	2.7										4.7	3.9
NNE	.2	1.1										2.3	3.6
NE	.5	.8										1.3	3.9
ENE	.7	1.3	.1									2.2	4.1
E	1.1	4.7	.9									6.7	5.0
ESE	1.9	4.7	1.5									8.1	5.3
SE	.7	5.0	1.5	.1								7.3	5.3
SSE	1.1	2.8	1.1									5.3	5.1
S	.4	1.9	.1									2.4	4.5
SSW	.5	.5										1.1	4.0
SW	1.1	.7										1.7	3.5
WSW	.4	.9										1.3	3.9
W	1.7	4.7	.5	.1								7.1	4.7
WNW	1.3	2.4	5.2	.4								16.4	5.9
NW	1.3	8.3	6.6	1.9								18.1	5.8
NNW	1.6	4.5	.9	.4								7.5	5.1
VARBL													
CALM												5.7	
	17.6	54.2	18.6	3.3								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

734

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAG

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.7	.3									2.7	4.9
NNE	.3	.4										.7	4.0
NE	.4	.3										.7	3.4
ENE	.4	.5	.1									1.1	4.9
E	.4	2.8	.4									3.5	4.9
ESE	.1	4.4	1.9									5.5	5.8
SE	.1	5.2	3.2									8.5	6.3
SSE	.3	5.9	3.5	.1								11.4	5.9
S	1.2	17.1	3.2									14.5	5.4
SSW	.7	3.5	.4									4.7	4.8
SW	.7	4.2	1.1									5.9	5.1
WSW	.3	4.3	.7									5.3	5.0
W	.3	7.7	3.2	.5								11.2	5.2
WNW	.1	5.5	5.2	.1								11.0	5.5
NW	.7	3.5	3.2	.8								8.3	6.8
NNW	.3	1.3	.5	.1								2.3	5.3
VARBL													
CALM												1.2	
	7.9	52.0	27.2	1.7								130.3	5.7

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-83  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1233-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.4	.1									3.3	4.5
NNE		.7										.7	4.4
NE	.5	.3										.3	3.3
ENE		.3										.3	5.5
E	.1	.5	.4									1.3	5.7
ESE		.3	.3									.5	6.7
SE	.3	.7	.4									1.3	5.7
SSE	.3	.8	1.2									2.3	5.1
S	.5	4.2	2.2									6.9	5.6
SSW	.4	2.7	1.3									4.4	5.5
SW	.3	5.3	2.5									9.1	5.5
WSW	.4	3.5	6.5	.4								15.9	5.3
W	1.3	11.2	12.9	1.2								25.5	5.9
WNW	.4	5.2	9.3	.5								15.5	7.1
NW	.4	3.6	4.2	.1								8.2	5.4
NNW		1.7	.8									2.5	5.1
VARBL													
CALM												.7	
	5.9	49.1	42.1	2.3								130.3	5.3

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	.1									1.1	5.3
NNE		.4										.4	5.3
NE	.1	.3										.4	4.0
ENE													
E	.1	.4	.4									.9	5.7
ESE		.7	.3									.9	5.9
SE	.3	.1	.7	.1								1.2	7.1
SSE		.1	.4	.1								.7	7.5
S	.1	.9	.4									1.5	5.7
SSW		1.3	.4	.1								1.9	5.1
SW	.1	2.2	.9									3.2	5.7
WSW	.3	5.7	4.7									9.9	5.3
W	.7	7.4	21.5	3.6								33.2	9.0
WNW		7.1	15.9	3.1	.1							26.2	7.8
NW	.1	3.2	10.2	2.0								15.5	8.0
NNW		.9	1.3	.3								2.5	7.1
VARBL													
CALM												.3	
	1.2	31.0	57.3	9.4	.1							100.2	7.5

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07193 STATION NAME FRESNO AIR TERMINAL CA YEARS 73-80 MONTH JUL  
CLASS ALL WEATHER 1900-2000  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	.1									.4	5.3
NNE													
NE													
ENE	.1											.1	3.0
E	.1											.1	3.0
ESE													
SE		.3	.1									.4	5.3
SSE		.3										.3	5.0
S	.1	.9	.4									1.5	5.8
SSW			.3									.3	8.0
SW			.3									.3	7.0
WSW	.1	.7	1.2									2.0	5.5
W		5.5	21.8	3.5								30.3	8.3
WNW		7.7	34.7	8.5								53.1	8.5
NW	.1	.5	4.0	4.0	.1							9.3	10.2
NNW		.8	.3	.3								1.3	7.3
VARBL													
CALM												.1	
	.7	19.5	63.2	15.3	.1							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03193 FRESNO AIR TERMINAL CA 73-80 JUL  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.3	.1									.5	4.8
NNE	.1	.3										.4	4.3
NE													
ENE			.1									.1	5.0
E	.3	.7										1.1	4.3
ESE	.3	.7										.9	3.9
SE		.3										.3	4.5
SSE		.3										.3	5.0
S	.3											.3	3.9
SSW	.1											.1	3.3
SW			.3									.3	3.3
WSW		.8	.3									1.1	5.4
W	.1	4.7	5.2	.5								9.9	7.3
WNW	.7	22.0	33.2	11.2								57.1	7.9
NW	.1	5.5	6.1	3.9	.1							15.7	3.4
NNW	.1	.9										1.1	4.5
VARB													
CALM												.3	
	2.1	35.3	45.3	15.5	.1							100.1	7.7

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-30  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-46	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.9	.1									2.3	4.3
NNE	.3	.5										.3	3.9
NE	.3	.3										.5	3.5
ENE	.3	.5	.1									.3	4.3
E	.5	1.7	.3									2.5	4.7
ESE	.4	1.3	.5									2.7	5.1
SE	.2	1.5	.7	.9								2.5	5.3
SSE	.3	1.5	.8	.9								2.7	5.5
S	.4	2.3	.3									3.5	5.3
SSW	.2	1.1	.3	.9								1.7	5.4
SW	.4	1.5	.5	.9								2.7	5.3
WSW	.4	2.5	1.7	.1								4.7	5.9
W	.5	5.8	8.5	1.2								15.1	7.3
WNW	.7	12.0	15.5	3.5	.9							32.9	7.4
NW	.5	5.7	7.1	2.3	.9							15.3	7.4
NNW	.5	2.5	.7	.2								3.9	5.4
VARBL													
CALM												2.5	
	7.7	38.2	38.7	7.5	.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

5951

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS  
ALL WEATHER CLASS  
CONDITION  
AUG MONTH  
1983-1983 HOURS (L.S.T.)

SPEED (KNTS) DNL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.7	.1									1.5	3.5
NNE	.4	.5										1.2	4.3
NE	.1	.3										.4	3.3
ENE	.3	.9	.1									1.2	4.3
E	1.5	2.3	.3									4.3	4.3
ESE	.4	.1	.1									.7	4.4
SE	.1	.4										.5	4.3
SSE		.3		.1								.4	5.0
S	.3	.1										.4	3.3
SSW	.3	.1		.1								.5	5.3
SW	.4											.4	3.3
WSW	.3	.4										.7	4.2
W	.7	3.5	2.3									7.1	5.2
WNW	1.5	19.9	17.5	3.0								41.3	5.7
NW	1.3	12.3	12.3	2.7	.1							29.7	7.3
NNW	.7	3.9	.7									5.5	5.3
VARB													
CALM	X	X	X	X	X	X	X	X	X	X	X	3.3	
	9.3	45.5	34.6	5.9	.1							130.3	5.1

TOTAL NUMBER OF OBSERVATIONS 734



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

92193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS 1-5 MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.4										4.4	3.5
NNE	.5	.4										.9	3.5
NE	.7	.3										.9	3.3
ENE	.3	1.9										2.2	4.4
E	2.2	3.7	.1									5.2	4.0
ESE	1.2	2.4	.3	.1								4.0	4.5
SE	.4	.4	.1	.1								1.1	5.4
SSE	.1	.4										.5	4.0
S	.5	.4										.9	3.1
SSW		.1										.1	5.0
SW	.3	.1	.1									.5	4.3
WSW	.4	.4										1.2	4.1
W	.1	4.4	1.3	.1								7.0	5.2
WNW	1.5	13.4	8.1	.4								28.4	5.3
NW	1.9	13.5	4.8	.8								21.1	5.5
NNW	3.5	5.4	.5									9.7	4.3
VARB													
CALM												10.3	
	16.5	55.4	15.7	1.5								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

405  
MONTH

ALL WEATHER  
CLASS

3530-3830  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.4										3.9	3.9
NNE	.3	.4										.7	3.6
NE	.4	.5	.1									1.1	4.0
ENE	.5	2.4										3.3	4.1
E	1.5	7.3	.7	.1								9.7	4.5
ESE	2.3	5.8	1.7									9.3	4.9
SE	1.1	5.5	1.1	.1								8.7	5.1
SSE	.1	1.7	.1									2.3	4.7
S	.7	2.4	.1	.1								3.4	5.0
SSW	.5	1.1										1.5	4.0
SW	.7	.7										1.3	3.3
WSW	.9	1.2	.1									2.3	3.9
W	.9	4.3	.3									5.5	4.4
WNW	1.5	3.3	5.3									14.8	5.7
NW	2.3	5.3	7.4	1.1								15.3	5.5
NNW	1.5	4.3	.4	.1								5.5	4.5
VARIABLE													
CALM												9.2	
	15.7	55.6	17.1	1.5								130.0	4.7

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAD

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS  
STATION NAME CLASS ALL WEATHER  
CONDITION  
AUG MONTH 1973-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.6	.1									2.3	5.1
NNE	.1	.5										.7	4.0
NE	.1	.1										.3	3.5
NNE	.5	.5	.1									1.2	4.3
E	.7	1.2	.4	.1								2.4	5.5
ESE	.5	3.7	2.5									5.3	5.2
SE	.3	5.3	3.4	.1								10.1	5.0
SSE	.3	7.4	3.4	.5								12.1	5.9
S	2.7	9.9	3.5	.1								15.5	5.5
SSW	.7	3.5	.3									4.5	4.7
SW	1.5	4.2	.3									6.5	4.7
WSW	1.3	3.2	1.5									5.0	5.1
W	1.5	5.3	2.3	.1								10.2	5.7
WWW	.1	4.7	3.9	.5								9.5	5.4
NW	.5	3.2	3.1	.7								7.5	5.9
NNW	.5	1.5	.5									2.5	5.3
VARIABLE													
CALM												2.3	
	13.2	55.2	26.3	2.3								100.3	5.5

TOTAL NUMBER OF OBSERVATIONS 738

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92193 STATION FRESNO AIR TERMINAL CA STATION NAME 73-30 YEARS  
ALL WEATHER CLASS  
CONDITION  
AUG MONTH  
1200-1400 HOURS (L.S.T.)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.1	1.5	.7									2.3	5.9
NNE		.8	.1									.9	5.0
NE	.3	.9										1.1	4.3
ENE	.7	.5	.1									.3	5.0
E	.1	.4	.1									.7	5.0
ESE	.3	1.1	.1									1.5	5.0
SE	.7	.9	.5	.3								2.4	5.8
SSE	.3	1.2	.5									2.0	5.0
S	.5	3.5	.9									5.1	5.3
SSW	.4	3.1	1.5	.1								5.1	5.8
SW	.1	5.2	2.3	.1								8.7	5.5
WSW	.9	9.5	6.7									15.5	5.9
W	1.3	11.4	12.5	.9								25.5	5.5
WNW	.3	7.5	5.8	.4								14.5	5.4
NW	.3	4.7	3.8	.4								9.1	5.5
NNW	.1	.8	.8									1.7	5.2
VARBL													
CALM												.3	
	7.4	53.6	35.9	2.3								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA 73-80 YEARS ALL WEATHER CLASS 1510-1700 MONTH HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	.3									1.2	5.5
NNE	.1	.1	.1									.4	4.7
NE	.1	.4										.5	4.0
ENE	.1											.1	3.9
E		.3	.4									.7	5.5
ESE		.7	.3									.9	5.9
SE		.4	.5									.9	5.4
SSE	.3	.8	.4									1.5	5.4
S	.3	1.1	.4									1.9	5.3
SSW	.1	1.1	.3									1.5	5.7
SW		1.8	.9									2.7	5.9
WSW	.4	4.3	3.5	.3								8.5	6.2
W	.5	9.4	21.4	3.8								33.7	7.9
WNW	.5	7.4	27.2	.9								29.1	7.5
NW	.1	2.9	8.7	1.2								12.1	3.9
NNW	.1	1.5	1.8									3.5	6.5
VARBL													
CALM												.3	
	3.0	31.5	58.5	5.2								130.3	7.2

TOTAL NUMBER OF OBSERVATIONS 742

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1933-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.1										.3	4.3
NNE													
NE	.1											.1	3.0
ENE													
E			.3									.3	3.0
ESE	.1	.4										.5	4.3
SE		.3	.4									.7	6.4
SSE		.3	.1									.3	5.0
S		.4		.1								.5	5.5
SSW		.1	.1									.3	5.5
SW	.1	.1										.3	4.5
WSW	.3	1.8	.4									2.4	5.4
W	.3	9.9	21.3	1.5								32.7	7.5
WNW	.3	13.6	33.1	4.5								51.5	7.7
NW		1.6	4.7	2.7	.3							9.3	9.4
NNW	.1	.4	.1	.1								.3	5.5
VARBL													
CALM												.5	
	1.5	29.1	63.6	9.7	.3							130.2	7.5

TOTAL NUMBER OF OBSERVATIONS

741

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8										.9	4.4
NNE	.3	.4										.7	3.3
NE		.1										.1	4.0
ENE	.1	.1										.3	4.5
E	.4	.7										1.1	3.8
ESE	.1	.4										.5	4.0
SE	.1		.1									.3	5.5
SSE	.4											.4	3.9
S	.1	.4										.5	4.3
SSW		.5										.5	4.5
SW		.1										.1	5.0
WSW	.3	.8	.3									1.3	4.8
W	.7	4.5	4.3	.1								9.6	5.4
WNW	1.3	25.0	25.8	5.5								57.6	7.1
NW	.3	6.7	9.2	5.7	.1							23.1	8.7
NNW	.5	.5	.4									1.5	4.9
VARBL													
CALM												1.3	
	4.9	41.2	40.1	12.8	.1							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93193 FRESNO AIR TERMINAL CA

73-80

AJS

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER  
CLASS

A-L

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.3	.2									2.1	4.4
NNE	.2	.4	.3									.7	4.1
NE	.2	.3	.3									.5	3.8
ENE	.3	.8	.1									1.1	4.3
E	.8	2.3	.3	.3								3.1	4.5
ESE	.5	1.7	.5	.3								3.3	5.2
SE	.4	1.8	.8	.1								3.1	5.5
SSE	.3	1.5	.5	.1								2.4	5.5
S	.5	2.3	.5	.1								3.5	5.3
SSW	.3	1.2	.3	.3								1.3	5.2
SW	.5	1.5	.5	.3								2.5	5.1
WSW	.5	2.3	1.5	.3								4.2	5.5
W	.9	5.5	5.3	.3								15.5	5.3
WNW	1.1	13.3	13.9	1.9								30.9	5.9
NW	.3	5.5	6.7	2.3	.1							15.1	7.3
NNW	.9	2.3	.7	.3								4.3	5.3
VARBL													
CALM												3.5	
	7.1	45.0	36.1	5.2	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

5934



GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-2359  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	.7										2.6	3.4
NNE	1.3	.1										1.1	3.3
NE	.4	1.5										1.9	4.1
ENE	1.2	3.1	.1									4.4	4.2
E	3.1	5.7	.1									8.9	4.7
ESE	1.3	2.2										3.2	4.2
SE	.3	.1										1.3	3.3
SSE	.7	.6	.1									1.4	4.3
S	.7	.3	.1									1.1	3.3
SSW	.4	.6										1.3	3.9
SW	.5	.4										1.3	3.3
WSW	.4	.7	.1									1.2	4.3
W	.4	5.3	1.1	.1								5.9	5.4
WNW	2.6	15.7	5.1	1.9								25.4	5.0
NW	2.9	11.1	6.4	1.9	.3							21.7	5.2
NNW	1.4	3.1	.3									4.7	4.2
VARBL													
CALM												11.4	
	19.6	51.1	14.6	3.1	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

729

GLOBAL CLIMATOLOGY BRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-2500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.4										3.9	3.8
NNE	1.0	1.4	.1									2.5	3.9
NE	1.1	1.4	.2									2.5	4.1
ENE	2.5	5.3	.3									8.2	4.2
E	4.7	7.5										12.2	3.3
ESE	.7	3.2										3.9	4.4
SE	.7	1.2										1.9	4.3
SSE	.1	.4										.5	3.3
S	.3	.4										1.2	3.4
SSW	.5	.4										1.0	3.9
SW	.5	.3										.5	3.5
WSW	.5	1.2	.1									1.9	4.3
W	.3	4.5	.4									5.3	5.0
WNW	2.4	11.0	3.9									17.2	5.3
NW	2.5	7.3	3.2	1.1								15.1	5.7
NNW	2.6	2.5	.4	.1								5.7	4.3
VARBL													
CALM												14.9	
	22.8	52.5	8.6	1.2								130.3	4.3

TOTAL NUMBER OF OBSERVATIONS

720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.2	1.7	.3									3.2	4.0
NNE	.6	1.1										1.7	3.8
NE	.8	.6										1.4	3.4
ENE	2.2	2.9	.1									5.3	4.0
E	4.5	8.9	.4									13.9	4.2
ESE	2.1	5.8	1.8									9.7	5.0
SE	1.2	3.2	7.2									5.7	5.0
SSE	1.4	1.7	.4									3.5	4.5
S	.5	.8	.1									1.5	4.6
SSW	1.7	.8	.1									1.9	3.9
SW	.8	.8	.1									1.8	4.2
WSW	.9	1.1	.1									2.1	4.1
W	1.4	4.6	.7	.1								5.8	4.7
WNW	1.2	7.1	3.1	.3								11.7	5.5
NW	.8	5.0	3.1	1.0								10.3	5.2
NNW	1.5	2.4	.4									4.3	4.5
VARBL													
CALM												14.7	
	22.4	49.4	12.1	1.4								100.3	4.1

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.3	.4									1.2	4.7
NNE	.4	.1										.5	3.5
NE	.3	.4	.1									.9	4.2
ENE	.5	.6		.1								1.2	4.8
E	.1	3.6	.4									4.2	5.1
ESE	.7	4.9	2.8	.1								8.5	5.8
SE	.3	5.8	5.8	.1								13.5	5.2
SSE	.4	7.6	4.2									12.2	5.8
S	2.1	9.6	3.1									14.7	5.1
SSW	1.2	2.9	1.1									5.3	4.9
SW	1.8	3.2	.7									5.7	4.5
WSW	1.1	3.3	.1	.1								4.7	4.6
W	.8	5.1	1.9									6.9	5.0
WNW	.7	4.4	2.1	.6								7.8	6.1
NW	.4	3.5	1.5	1.0								6.9	7.2
NNW	.3	1.4	.4									2.1	4.9
VARB													
CALM												3.5	
	12.4	57.9	23.7	2.5								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97193 STATION FRESNO AIR TERMINAL CA 72-79 YEARS SEP MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	.4									2.5	4.7
NNE	.6	.7										1.2	3.7
NE	.4	.6										1.0	3.7
ENE	.3	.5										.8	4.3
E	.4	1.0										1.4	4.5
ESE	.3	1.9	.7	.1								3.1	6.0
SE	.3	1.7	1.8	.1								3.9	5.5
SSE	.4	3.1	1.1									4.5	5.5
S	1.7	4.7	.8	.1								5.7	5.1
SSW	.5	4.7	.4									5.7	4.9
SW	1.2	5.7	1.5									7.8	5.9
WSW	1.8	5.7	2.5									11.0	5.2
W	1.2	13.1	6.2	.3								27.8	5.9
WNW	1.3	8.2	3.9	.5	.1							13.7	6.2
NW	.5	4.9	4.3	.3	.1							10.1	6.6
NNW	1.0	2.4	.3									3.5	4.7
VARIABLE													
CALM												2.1	
	11.5	63.6	24.0	1.5	.3							100.0	

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

33193 FRESNO AIR TERMINAL CA 72-79 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.1	.5	.1	.1							3.8	5.7
NNE	.1	.3										.4	4.0
NE		.6										.5	4.3
NNE	.1	.4	.1									.7	4.8
E	.3	.7	.3									1.3	5.2
ESE	.3	.6	.1									1.0	5.0
SE	.1	1.0	.3									1.4	5.4
SSE	.1	.4	.4									1.3	5.7
S	.7	2.2	1.0									3.9	5.4
SSW	.4	1.4	.5									2.4	4.9
SW	.3	2.2	.3	.1								2.9	5.3
WSW	.5	5.1	1.5	.1								7.6	5.6
W	.7	11.0	13.1	.3								25.0	5.5
WNW	1.0	9.7	12.1	1.1	.1							24.1	5.9
NW	.1	7.5	7.8	1.5		.3						17.5	7.8
NNW	.3	2.1	1.7	.3								4.7	6.1
VARIABLE													
CALM												1.7	
	6.5	47.3	40.1	3.2	.3	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 719

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 72-79 YEARS SEP MONTH 1920-2000 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.8										1.1	4.0
NNE	.1	.3										.4	4.0
NE	.1	.1	.1									.3	5.0
ENE		.4	.1									.5	5.5
E	.1	1.1	.3									1.5	5.1
ESE	.1	.4	.3									.8	5.2
SE		1.0	.1									1.1	5.1
SSE		.3	.1									.4	5.7
S	.4	1.2	.3									1.9	4.8
SSW		1.0	.4	.1								1.5	6.4
SW	.1	1.2	.3									1.7	5.1
WSW	.3	2.5	.4									3.2	5.3
W	.7	15.8	9.9	.9								28.2	6.3
WNW	1.2	22.8	14.4	1.4								39.9	5.3
NW	.7	3.7	6.3	1.7								12.1	7.4
NNW	1.0	1.4										2.4	4.1
VARBL													
CALM												2.3	
	5.3	55.1	32.8	4.0								100.3	6.0

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93193      FRESNO AIR TERMINAL CA      72-79      SEP  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	.1									2.4	3.9
NNE	.4	.7										1.1	4.5
NE	.4	1.0										1.4	3.9
NNE	1.1	.8	.1									2.1	3.7
E	1.1	2.4	.3	.3								4.3	4.9
ESE	.7	1.2										1.9	3.9
SE	.7	.4		.1								1.2	4.7
SSE		.4	.1									.5	5.0
S	.1	.4	.1									.7	5.4
SSW	.5	.3										.3	3.3
SW	.4	.3	.1									.3	4.0
WSW	.3	2.1	.3									3.2	4.5
W	.7	8.3	2.9	.1								11.9	5.5
WNW	1.8	22.4	13.6	1.9								39.7	5.3
NW	1.4	7.6	6.0	1.5								16.5	5.5
NNW	.7	3.3	1.0									5.0	5.0
VARB.													
CALM												5.5	
	11.9	52.9	24.6	4.0								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS      720



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 93193 STATION NAME FRESNO AIR TERMINAL CA YEARS 72-79 MONTH SEP  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3	.2	.0	.0							2.5	4.3
NNE	.5	.5	.0									1.1	3.7
NE	.5	.3	.1									1.3	4.0
ENE	1.0	1.8	.1	.0								2.9	4.2
E	1.3	3.9	.2	.0								5.9	4.3
ESE	.7	2.5	.7	.5								4.3	5.1
SE	.5	1.9	1.2	.1								3.7	5.7
SSE	.4	1.8	.3									3.0	5.4
S	.3	2.5	.7	.0								4.3	5.0
SSW	.6	1.5	.3	.0								2.9	4.8
SW	.7	1.7	.4	.0								2.3	4.7
WSW	.3	2.8	.7	.0								4.4	5.0
W	.3	3.5	4.4	.2								14.0	5.9
WNW	1.5	12.7	7.4	1.0	.0							22.5	5.2
NW	1.2	5.7	4.8	1.2	.1	.0						14.0	5.7
NNW	1.2	2.3	.6	.1								4.1	4.8
VARIABLE													
CALM												7.2	
	14.0	53.4	22.5	2.7	.1	.0						130.0	5.2

TOTAL NUMBER OF OBSERVATIONS 5759

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.9										1.7	3.8
NNE	.4	.3										.7	3.6
NE	1.1	1.2										2.3	4.2
ENE	3.8	5.1	.3									9.1	4.0
E	5.4	14.0	.3									19.6	4.2
ESE	2.0	3.2	1.3									6.5	4.8
SE	.8	1.7		.1								2.7	4.7
SSE	.5	.9		.1								1.6	4.8
S	.3	.8	.3	.1								1.5	5.7
SSW	.4	.4	.1									.9	4.3
SW	.7			.1								.8	4.3
WSW	.5	.8										1.3	3.7
W	.9	1.5	.4									2.8	4.6
WNW	1.1	8.2	3.9	.7								13.8	6.1
NW	.8	4.3	2.8	.8								8.3	6.3
NNW	1.1	1.7	.4									3.2	4.7
VARBL													
CALM												22.8	
	20.6	45.2	9.8	1.6								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

3300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9										1.5	3.8
NNE	.4	.4	.1									.9	4.3
NE	.8	2.4										3.2	4.0
ENE	3.5	7.5	.1									11.2	4.2
E	6.7	15.6	.4									22.7	4.0
ESE	1.9	3.8	.3									5.9	4.3
SE	.4	1.3	.3	.1								2.2	5.3
SSE	.5	.3	.1									.9	4.3
S	.3	.8		.1								1.2	5.0
SSW	.5	.7	.1									1.3	4.0
SW	.4	.4										.8	3.8
WSW	.5	.7										1.2	3.9
W	1.2	2.3	.1									3.6	4.3
WNW	2.2	6.6	1.9	.5								11.2	5.4
NW	1.1	3.8	2.0									6.9	5.4
NNW	1.2	1.5	.1	.3								3.2	4.5
VARBL													
CALM												21.9	
	22.3	49.1	5.6	1.1								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 72-79 YEARS OCT MONTH 1600-0800 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1										2.2	3.7
NNE	1.3	1.5										1.9	3.3
NE	.3	1.5	.1									1.9	4.6
ENE	2.7	4.7	.7									9.1	4.3
E	6.5	14.9	.8									22.2	4.2
ESE	2.4	9.1	1.7									13.3	4.8
SE	1.2	4.0	1.3									6.6	5.1
SSE	.7	1.3	.3									2.3	4.5
S	.8	.7	.3									1.3	4.5
SSW	.5	.3										.9	3.2
SW	.7	.5	.1									1.3	3.8
WSW	.4	.8										1.2	4.3
W	1.6	2.7	.7									5.0	4.6
WNW	.7	5.4	1.1	.3								7.4	5.4
NW	.9	4.3	1.2	.3								6.7	5.5
NNW	.7	1.2	.5									2.4	5.1
VARBL													
CALM												15.5	
	22.0	53.1	9.9	.5								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA 72-79 YEARS OCT MONTH 1999-1199 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1										1.3	4.5
NNE	.5											.5	3.3
NE	.7	.3										.9	3.3
ENE	.7	1.2	.3	.1								2.3	5.4
E	.8	2.8	1.3									5.3	5.4
ESE	1.1	7.4	2.7	.8								12.3	5.8
SE	.8	10.1	5.4	.1								16.4	5.8
SSE	1.3	9.9	2.7									14.3	5.2
S	1.5	7.8	2.3									11.7	5.1
SSW	1.5	2.8	.1									4.4	4.3
SW	.7	3.2										3.9	4.4
WSW	.9	2.7	.3									3.9	4.7
W	.5	3.0	1.6	.1								5.2	6.0
WNW	.5	2.4	3.0	.8								6.7	7.0
NW	.4	1.5	3.1	.7								5.6	7.7
NNW	.3	1.3	1.1									2.7	6.1
VARBL													
CALM												3.4	
	12.6	57.5	23.8	2.7								130.0	5.4

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 72-79 YEARS OCT MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.9	.5									3.5	4.8
NNE	.9	.9										1.9	3.9
NE	.4	.8	.1	.1								1.5	5.1
ENE	.4	.8										1.2	4.1
E	.5	1.6	.8	.1								3.1	5.7
ESE	.8	1.1	1.1	.3								3.2	5.9
SE	.4	3.0	2.3	.1								5.8	6.0
SSE	1.1	3.6	2.3									7.3	5.7
S	2.0	6.0	1.1	.1								9.3	4.9
SSW	.9	3.8	.8									5.5	4.9
SW	1.2	4.3	1.5	.1								7.1	5.3
WSW	.9	4.4	1.2									6.6	5.2
W	1.2	7.1	4.6	.3								13.2	5.9
WNW	.8	6.9	4.4	1.1								13.2	5.7
NW	.9	4.8	4.2	.7								13.6	6.4
NNW	.3	2.0	1.6	.1								4.0	6.0
VARBL													
CALM												3.4	
	14.0	53.1	26.5	3.1								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.2	.4									5.0	4.5
NNE	.3	.7	.1									1.5	4.2
NE	.1	.3										.4	3.7
ENE	.5	.7	.5									1.7	5.2
E	.1	1.5	.8	.3								2.7	5.4
ESE	.4	1.1	.4									1.9	5.1
SE	.4	1.5	.4	.1								2.4	5.8
SSE	.1	2.0	1.1									3.2	5.5
S	.5	2.3	1.1	.1								4.0	5.6
SSW	.7	1.5	.3									2.4	4.8
SW	.9	1.6	1.1	.1								3.8	5.4
WSW	.7	3.9	1.2									5.8	5.3
W	1.2	10.5	5.1	.1								16.9	5.9
WNW	1.5	11.2	7.1	1.2	.1							21.1	6.5
NW	1.1	7.4	6.3	.8	.1							15.7	6.7
NNW	1.1	4.8	1.5									7.4	5.2
VARBL													
CALM												3.9	
	11.6	54.0	27.4	2.8	.3							100.3	5.6

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1933-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.6	.3									3.8	4.1
NNE	.8	.7	.3									1.7	4.5
NE	.3	1.1										1.3	4.4
ENE	.9	1.1	.3									2.3	4.3
E	1.1	3.1	.1	.3								4.5	4.8
ESE	.8	2.6										3.4	4.1
SE	.5	1.5	.4									2.4	4.9
SSE	.1	2.2		.1								2.4	4.8
S	.7	1.6	.3									2.5	4.8
SSW	.5	1.2	.1	.1								2.9	4.9
SW	.5	1.2	.1	.1								2.9	5.0
WSW	1.1	2.0										3.1	4.2
W	1.7	9.0	3.6	.1								14.5	5.5
WNW	1.7	13.8	5.4	.7								21.6	5.7
NW	1.7	8.2	3.2	.8								14.9	5.3
NNW	1.2	3.0	.7	.1								5.9	4.7
VARB.													
CALM												13.3	
	14.8	54.7	14.8	2.4								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

98193  
STATION

EDSNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.7	.1									1.9	4.1
NNE	.5	.4										.9	3.9
NE	.9	1.7	.1									2.8	4.2
ENE	3.2	9.8	.4									13.4	4.2
E	3.1	8.5	.5									12.1	4.3
ESE	.8	3.1	.3		.1							4.3	4.9
SE	.4	1.7	.5	.1								2.8	5.4
SSE	.7	.7	.1		.1							1.5	5.3
S	.5	1.1										1.5	4.0
SSW	.3	.3	.1	.1								.8	6.2
SW	.8	1.1										1.9	3.7
WSW	.4	1.7	.1									2.3	4.5
W	.5	4.5	1.2									5.3	5.4
WNW	1.2	8.7	5.8	.7								16.4	5.1
NW	.8	5.6	2.3	.8	.3							9.8	5.5
NNW	.7	2.7										2.7	4.1
VARB.													
CALM												18.3	
	16.0	51.7	11.7	1.7	.5							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.5	.2									2.5	4.2
NNE	.7	1.5	.1									1.3	3.9
NE	.6	1.2	.1	.0								1.9	4.3
ENE	2.7	3.9	.3	.0								6.2	4.3
E	3.7	7.7	.5	.1								11.5	4.4
ESE	1.3	3.9	1.7	.1	.0							6.3	5.0
SE	.6	3.1	1.3	.1								5.2	5.6
SSE	.6	2.6	.8	.0	.0							4.1	5.2
S	.8	2.6	.7	.1								4.1	5.0
SSW	.7	1.4	.2	.0								2.3	4.6
SW	.7	1.5	.4	.1								2.7	4.8
WSW	.7	2.1	.4									3.2	4.8
W	1.1	5.1	2.2	.1								8.5	5.5
WNW	1.2	7.9	4.1	.7	.0							13.9	5.1
NW	1.7	5.0	3.1	.6	.1							9.7	6.3
NNW	.8	2.2	.7	.1								3.3	5.1
VARB													
CALM												12.8	
	16.7	52.3	16.1	2.0	.1							130.3	4.5

TOTAL NUMBER OF OBSERVATIONS

5952

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93193 FRESNO AIR TERMINAL CA

72-79

NDV

STATION

STATION NAME

YEARS

MORTH

ALL WEATHER  
CLASS

8830-8200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.6										1.3	3.3
NNE	.5	.3	.1									1.0	4.0
NE	2.9	1.6	.1									4.9	3.6
ENE	4.4	5.5	1.1	.1	.1							12.4	4.4
E	6.4	11.7	2.1	.1								20.3	4.4
ESE	2.4	4.3	1.4									8.1	4.5
SE	.4	2.5	1.1	.3								4.3	5.8
SSE	1.1	1.0		.1								2.2	4.2
S	.1	.3										1.0	4.4
SSW	.3											.3	3.0
SW	1.0	.1										1.1	3.1
WSW	.4	.7										1.1	3.5
W	1.1	1.5	.4	.1								3.2	4.8
WNW	1.4	3.3	.8	.1								5.7	4.8
NW	1.4	3.5	1.1	.7	.1							5.8	6.0
NNW	1.0	1.1	.1									2.2	4.1
VARBL													
CALM												23.7	
	26.1	39.7	8.5	1.7	.3							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.6										2.2	3.4
NNE	1.7	.8										1.3	3.5
NE	1.3	1.7		.1								2.5	3.8
ENE	3.5	5.7	.5									10.8	4.1
E	6.8	10.0	1.5	.3								18.6	4.4
ESE	2.8	6.0	1.7	.1								10.6	5.0
SE	1.2	1.8	.7									3.3	4.5
SSE	.3	1.4	.3									2.5	4.5
S	1.3	1.0										1.9	3.7
SSW	1.1	.8	.1									2.1	3.9
SW	.3	.6										1.4	3.6
WSW	.7	1.0	.1									1.3	4.2
W	.3	3.1	.5									4.4	4.8
WNW	1.3	4.0	1.8									6.3	4.9
NW	.7	1.7	1.2	.4	.1							4.2	5.7
NNW	1.2	1.0	.3									2.5	4.0
VARBL													
CALM												22.4	
	27.1	40.8	8.6	1.0	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93193 STATION FRESNO AIR TERMINAL CA 72-79 YEARS NOV MONTH  
0630-0800 HOURS (L.T.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.5	.1									3.1	3.9
NNE	.9	.9										1.7	3.6
NE	1.3	.6										1.9	3.5
NNE	1.8	7.1	.4	.1								9.3	4.6
E	5.7	12.4	2.9									22.3	4.6
ESE	3.1	5.4	1.5	.1								10.2	4.8
SE	1.3	3.2	.6									5.9	4.6
SSE	1.4	1.4										2.8	3.5
S	1.3	1.1										2.4	3.5
SSW	1.1	.6										1.7	3.5
SW	.5	.3	.1									1.0	4.0
WSW	.5	.4										1.0	3.3
W	.3	2.2	.4									3.5	4.5
WW	.7	3.8	1.3									5.7	5.2
WNW	1.5	3.1	1.7									6.3	5.2
NNW	.8	1.3	.1									2.2	4.1
VARBL													
CALM												20.5	
	25.1	45.0	9.2	.3								120.0	3.6

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 72-79 YEARS NOV MONTH 3900-1100 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.4	.1									1.1	4.3
NNE	.3	.7										.4	3.3
NE	.3	.3	.1									.7	4.4
ENE	.9	.7	.1									1.7	3.9
E	1.4	7.2	1.8	.4								10.8	5.5
ESE	1.5	8.1	4.2	.5								14.3	5.7
SE	2.2	9.5	3.5	.6								14.7	5.6
SSE	1.9	7.8	1.8	.3								11.3	5.1
S	2.8	4.7	.4									7.9	4.2
SSW	.8	2.4	.1									3.3	4.1
SW	1.7	2.5	.1									4.3	3.8
WSW	1.1	.8										1.8	4.0
W	1.4	1.8	1.2									4.4	5.3
WNW	.5	3.5	3.1	.4								7.5	5.7
NW	.3	1.8	1.2	.8								4.2	7.3
NNW	.7	.7	.4									1.8	5.0
VARB													
CALM												9.3	
	19.2	51.4	18.3	3.1								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 723

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	.1									3.9	4.1
NNE	.7	.8										1.5	4.0
NE	1.1	1.1										2.2	3.7
NNE	.6	.7	.3									1.5	4.6
E	1.4	2.9	2.1	.7								7.1	5.2
ESE	.1	2.6	3.2									6.9	5.2
SE	1.4	3.9	2.2									7.5	5.4
SSE	1.7	5.0	2.6	.6								10.3	5.3
S	1.7	5.2	1.0									8.9	4.9
SSW	1.0	2.9	.4									4.3	4.5
SW	1.1	2.3	.4									4.3	4.5
WSW	1.5	2.5	.4									4.4	4.3
W	1.4	3.9	1.0									5.2	4.3
WNW	1.1	5.1	4.3	1.2								11.3	6.7
NW	.9	3.5	3.2	1.0								8.5	7.0
NNW	1.4	2.8	.7									4.9	4.7
VARB.													
CALM												5.1	
	12.3	50.1	21.9	3.5								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA 72-79 YEARS NOV  
MONTH  
1530-1700  
HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.9	4.6	.3									7.9	4.0
NNE	.7	.7										1.4	3.4
NE	.1	.3	.1									.5	4.8
ENE	.7	1.3	.4									2.4	4.5
E	1.1	3.8	1.5	.1								6.5	5.5
ESE	1.3	2.9	2.5									6.7	5.5
SE	.4	2.1	.6	.1								3.2	5.5
SSE	1.3	2.2	.3	.1								3.7	4.6
S	1.8	3.6	.1									5.5	4.1
SSW	1.8	1.5										3.3	3.5
SW	1.9	1.8	.1									3.3	3.9
WSW	1.0	1.5										2.5	3.8
W	1.3	5.0	.7									7.0	4.9
WNW	1.7	6.5	3.1	1.1								12.4	6.1
NW	1.7	7.4	5.0	1.9								16.3	6.5
NNW	2.4	4.9	.4									7.6	4.2
VARBL													
CALM												9.2	
	22.1	50.1	15.2	3.5								130.7	4.5

TOTAL NUMBER OF OBSERVATIONS 719



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

92193 STATION FRESNO AIR TERMINAL CA 72-79 YEARS NOV MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.9										4.5	4.0
NNE	1.3	.8										1.8	3.6
NE	1.2	1.8										3.1	3.7
ENE	1.7	5.6	.3									6.8	4.4
E	1.5	5.7	1.2									8.5	4.9
ESE	1.6	3.3	1.2	.1								5.7	5.0
SE	1.7	2.1	.7									3.7	4.6
SSE	.4	1.5	.1	.1								2.2	5.0
S	1.7	1.4										3.1	3.5
SSW	1.2	.8										2.1	3.5
SW	.8	.3										1.1	3.3
WSW	.7	1.4										2.1	3.9
W	2.1	3.6	.3	.1								6.1	4.5
WNW	2.1	5.7	2.6	.1								11.5	5.3
NW	1.7	6.8	1.8	.1								10.4	5.1
NNW	1.8	3.1	.5	.1								5.5	4.4
VARBL													
CALM												21.7	
	20.8	47.8	8.9	.8								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 72-79 YEARS NOV MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2										2.4	3.8
NNE	.1	1.1	.3									1.5	4.8
NE	2.1	2.6	.3									5.0	4.0
ENE	3.1	11.5	.6	.1								15.3	4.3
E	7.5	12.5	.8									20.8	4.2
ESE	1.1	3.6	1.4									6.1	5.1
SE	1.2	1.7	.4	.3								3.5	5.0
SSE		1.1										1.1	5.1
S	1.1	1.4	.1									2.5	3.9
SSW	.1	.4										.5	4.0
SW	.7	.8										1.5	3.9
WSW	.7	1.2	.1									2.1	4.4
W	.7	1.9	.5									3.2	4.9
WNW	1.4	4.4	1.1									6.9	4.8
NW	1.5	3.1	1.7	.7								6.9	5.8
NNW	.4	1.1	.1									1.7	4.3
VARBL													
CALM												18.5	
	22.9	49.9	7.5	1.1								120.0	3.7

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193 STATION FRESNO AIR TERMINAL CA STATION NAME 72-79 YEARS NOV MONTH ALL HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.8	.1									3.4	3.9
NNE	.5	.7	.1									1.4	3.8
NE	1.3	1.2	.1	.0								2.5	3.8
ENE	2.0	5.0	.5	.1	.0							7.5	4.3
E	4.1	8.3	1.8	.2								14.3	4.7
ESE	1.9	4.5	2.1	.1								8.6	5.2
SE	1.1	3.2	1.2	.2								5.7	5.3
SSE	1.1	2.8	.7	.2								4.7	5.0
S	1.4	2.5	.2									4.2	4.2
SSW	.9	1.2	.1									2.2	3.9
SW	1.1	1.1	.1									2.3	3.9
WSW	.8	1.2	.1									2.1	4.0
W	1.2	.9	.6	.0								4.8	4.8
WNW	1.3	4.7	2.2	.4								8.6	5.7
NW	1.2	3.8	2.1	.7	.0							7.9	5.1
NNW	1.2	2.0	.3	.0								3.5	4.4
VARBL													
CALM												16.3	
	22.7	46.8	12.3	1.9	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 5757

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.7										1.6	3.8
NNE	1.6	.5										2.2	3.4
NE	1.2	1.9	.1									3.2	4.2
ENE	5.4	7.0	.4									12.8	4.0
E	6.6	13.3	2.7	.3								19.9	4.6
ESE	2.3	3.2	3.0	.3								8.7	5.7
SE	.8	1.9	1.1	.3								4.1	5.7
SSE	1.6	1.6	.1	.3								3.6	4.7
S	.9	1.5	.1									2.6	4.3
SSW	1.2	.7										1.9	3.6
SW	.7	.9										1.6	3.7
WSW	.9	.7										1.6	3.7
W	.5	1.5	.7									2.7	5.0
WNW	1.2	2.7	1.5	.4								5.9	5.8
NW	.5	1.7	.9	.3								3.4	5.9
NNW	.4	.9										1.3	4.0
VARBL													
CALM												23.1	
	26.9	37.8	10.6	1.7								110.1	3.6

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.1										2.8	3.5
NNE	.9	.5										1.5	3.5
NE	1.5	1.1	.4	.3								3.2	4.9
ENE	4.6	5.5	1.1	.1								10.3	4.3
E	5.5	8.1	2.0	.3								15.9	4.6
ESE	2.3	4.3	2.0	.4								8.7	5.4
SE	.9	2.2	.7									3.8	4.8
SSE	.7	2.3	.4	.3								3.6	5.3
S	1.2	1.5	.4									3.1	4.3
SSW	.9	.5										1.5	3.5
SW	1.5	.4										1.9	3.2
WSW	.9	.5	.4									1.9	4.2
W	1.5	1.5	1.2									4.3	4.8
WNW	1.2	2.2	1.2	.1								4.7	5.6
NW	1.2	2.0	1.1	.7								5.9	5.2
NNW	.4	1.1										1.5	4.2
VARBL													
CALM												25.3	
	26.4	34.7	10.9	2.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

743

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

3633-0860  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.1										2.7	3.5
NNE	.5	.5										1.1	3.8
NE	1.2	1.2	.3									2.7	4.4
ENE	3.3	6.1	.9									10.3	4.3
E	6.2	13.5	3.0	.7								20.3	4.9
ESE	2.0	4.0	1.5	.4	.1							6.1	5.5
SE	1.3	2.6	1.1	.1								5.1	5.2
SSE	1.2	2.2	.5									3.9	4.4
S	1.6	1.6	.1									3.4	3.9
SSW	1.2	.7	.1									2.3	3.7
SW	.1	1.2										1.3	4.3
WSW	1.3	1.5										2.8	3.6
W	.9	2.2	.3									3.4	4.4
WNW	1.9	2.6	1.9	.4								6.7	5.8
NW	1.5	1.3	.5	.3								3.6	5.0
NNW	1.5	1.2										2.7	3.7
VARB.													
CALM												20.2	
	27.2	40.4	10.2	1.9	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

743

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

91193 STATION FRESNO AIR TERMINAL CA STATION NAME 72-79 YEARS DEC MONTH  
ALL WEATHER CLASS 8900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.4										.9	3.3
NNE	.5	.4		.1								1.1	4.5
NE	.5	.9		.1								1.5	4.7
ENE	1.1	2.4	.7	.3								4.4	5.4
E	2.8	7.4	3.9	.5								13.7	5.4
ESE	3.6	8.2	2.8	.4								15.1	5.2
SE	2.7	8.5	2.2	.8								13.4	5.5
SSE	1.6	4.7	1.1									7.4	4.8
S	2.7	5.2			.1							7.4	4.3
SSW	.7	2.2	.1									3.3	4.4
SW	1.2	1.9										3.1	4.0
WSW	.9	1.2	.1									2.3	4.2
W	.9	2.3	.6									3.5	4.5
WNW	.3	1.7	2.9	.7								4.7	7.2
NW	.4	1.9	1.3	.7								4.3	7.1
NNW	.5	1.1	.9	.1								2.7	5.9
VARB.													
CALM												11.3	
	19.8	57.4	14.7	3.8	.1							109.3	4.6

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5	.7	.1								3.3	5.5
NNE	.4	.5	.1									1.1	4.3
NE	.7	.5	.1									1.3	4.2
ENE	1.1	1.1	.1									2.3	3.9
E	1.9	4.4	2.7	.5	.1							9.3	6.5
ESE	1.5	4.6	2.5	.7								9.3	5.8
SE	1.3	4.4	3.0	.5		.1						7.4	5.1
SSE	1.6	5.0	1.6	.1								3.3	5.2
S	2.5	4.8	.7	.1								8.2	4.5
SSW	1.3	1.7										3.1	3.9
SW	2.2	2.4	.1									4.7	3.9
WSW	1.7	3.1										4.8	4.3
W	1.3	4.8	.5									5.7	4.6
WNW	1.2	3.1	1.5	.5	.4							6.7	6.5
NW	1.1	3.1	3.1	1.3	.1							9.7	7.4
NNW	1.1	1.9	1.1	.4	.1							4.5	5.2
VARB													
CALM												8.5	
	21.7	47.1	17.2	4.4	.5	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

743



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	3.1	.1									5.1	4.1
NNE	.5	.3	.1	.3								1.2	6.4
NE	.5	.2	.4									1.7	4.8
ENE	.3	.9	.4	.3								2.4	5.6
E	1.2	3.1	1.5	.3		.1						6.2	5.9
ESE	.8	3.8	1.5	.9		.1						7.1	5.7
SE	.3	3.1	1.6									5.5	5.3
SSE	1.5	4.6	.7									6.7	4.7
S	3.1	3.2	.5									6.9	4.1
SSW	1.7	3.3	.1									4.3	4.1
SW	.9	1.7										2.7	3.9
WSW	2.4	1.7	.1									4.3	3.8
W	1.1	5.8	1.2	.3								8.3	5.3
WNW	.7	7.5	3.2	.1	.1							11.7	6.0
NW	1.3	4.3	3.4	1.6	.1							11.3	6.9
NNW	.9	3.8	.3									5.5	4.5
VARB.													
CALM												3.5	
	29.3	51.2	15.7	3.8	.3	.3						123.3	4.9

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

98193 STATION FRESNO AIR TERMINAL CA STATION NAME 72-79 YEARS DEC MONTH 1900-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.8	.3									4.3	4.1
NNE	1.1	.8										1.9	3.4
NE	1.3	.7	.1									2.2	3.7
ENE	1.7	4.8	.8	.3								7.7	4.9
E	2.3	5.2	1.1	.1								9.5	4.7
ESE	1.9	2.5	1.1	.1		.1						5.3	5.5
SE	1.1	2.2	1.3	.1								4.7	5.5
SSE	.7	2.3	.5	.3								3.8	5.6
S	1.7	1.7	.1									3.5	3.8
SSW	1.1	.9	.3									2.2	4.3
SW	1.1	.8	.1									2.0	4.1
WSW	.9	1.7										2.7	4.2
W	2.0	4.2	1.1									7.3	4.7
WNW	2.3	5.3	2.2									10.3	5.0
NW	2.3	4.3	2.3	.4	.3							10.1	5.0
NNW	1.3	3.6	.7									5.5	4.6
VARB.													
CALM												15.5	
	24.5	45.2	12.3	1.3	.3	.1						100.3	4.1

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23193 STATION FRESNO AIR TERMINAL CA 72-79 YEARS DEC MONTH  
2130-2330 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.2										2.3	3.7
NNE	1.2	1.2	.1									2.5	3.7
NE	1.6	2.5										4.2	3.9
ENE	4.5	7.7	1.2									13.5	4.3
E	6.5	17.1	2.3	.1								19.1	4.5
ESE	2.3	3.2	1.3	.8								7.4	5.8
SE	.3	2.4	1.3									4.5	5.2
SSE	.8	2.3	.3	.1								3.5	5.0
S	1.5	1.9	.4									3.8	4.4
SSW	.4	.9										1.3	4.1
SW	.3	.4										.7	3.8
WSW	.9	.3										1.2	3.3
W	2.3	2.4	.4									4.9	4.2
WNW	1.2	3.8	1.3	.3								6.5	5.4
NW	1.3	3.0	1.2	.7	.1							5.3	5.2
NNW	.8	1.5										2.3	4.2
VARB.													
CALM												15.3	
	27.2	44.9	10.0	2.3	.1							100.3	4.0

TOTAL NUMBER OF OBSERVATIONS 732

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93195 FRESNO AIR TERMINAL CA

72-79

DEC

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER  
CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.5	.1	.0								2.9	4.1
NNE	.9	.5	.1	.1								1.5	4.0
NE	1.1	1.2	.2	.1								2.5	4.3
ENE	2.7	4.4	.7	.1								8.2	4.4
E	4.1	7.5	2.2	.4	.0	.5						14.2	4.9
ESE	2.0	4.2	2.0	.5	.0	.3						8.8	5.7
SE	1.1	3.4	1.5	.2		.0						6.3	5.5
SSE	1.2	3.1	.7	.1								5.1	4.9
S	1.9	2.7	.3	.0	.0							4.9	4.2
SSW	1.1	1.3	.1									2.5	4.0
SW	1.3	1.2	.3									2.3	3.9
WSW	1.3	1.3	.1									2.7	3.9
W	1.3	3.1	.7	.0								5.1	4.7
WWW	1.2	3.7	1.9	.3	.1							7.2	5.8
NW	1.2	2.6	1.7	.7	.1							6.5	5.5
NNW	.9	1.9	.4	.1	.0							3.3	4.8
VARB.													
CALM												15.1	
	28.2	44.1	12.7	2.5	.2	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

5947

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

93193 STATION FRESNO AIR TERMINAL CA 72-80 YEARS ALL NORTH ALL RECORD (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.0	.3	.0	.0							3.2	4.5
NNE	.5	.7	.1	.0	.0							1.4	4.2
NE	.7	1.0	.1	.0								1.9	4.3
NNE	1.3	3.1	.4	.0	.0							4.3	4.5
E	2.1	5.3	1.2	.2	.0	.0						9.3	5.0
ESE	1.0	3.3	1.6	.4	.0	.0						5.2	5.9
SE	.6	2.4	1.4	.3	.0	.0						4.7	6.1
SSE	.6	2.1	.8	.1	.0							3.6	5.5
S	.9	2.4	.7	.0	.0							4.3	5.0
SSW	.5	1.2	.3	.0	.0							2.2	4.3
SW	.6	1.3	.3	.0								2.3	4.9
WSW	.5	1.8	.7	.0	.0							3.1	5.2
W	.8	4.2	3.5	.5	.0	.0						9.3	5.5
WNW	1.0	7.6	7.9	2.3	.1	.0						13.3	7.3
NW	.8	5.0	5.1	2.3	.2	.0						13.5	7.7
NNW	.9	2.7	1.0	.1	.0	.0						4.7	5.3
VARIABLE													
CALM												7.9	
	13.8	46.0	25.3	5.5	.4	.1						100.3	5.6

TOTAL NUMBER OF OBSERVATIONS 70197

GLOBAL CLIMATOLOGY FRANCH  
JSAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

97193  
STATION

PDENNO AIR TERMINAL CA  
STATION NAME

72-80  
YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

ALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	.1									3.1	4.7
NNE	.5	.8	.1	.3								1.5	4.1
NE	1.1	1.2	.2	.1								2.5	4.2
ENE	2.1	3.4	.4	.5								5.3	4.3
E	3.2	7.5	1.3	.1	.7							12.1	4.5
ESE	2.1	5.1	1.6	.2								8.9	5.1
SE	1.3	4.7	1.6	.1		.7						7.3	5.4
SSE	1.5	3.9	.8	.3								6.2	4.7
S	2.1	4.2	.3		.3							6.7	4.3
SSW	1.1	2.1	.1	.3								3.3	4.2
SW	1.7	1.6	.7	.3								2.7	4.1
WSW	1.4	1.3	.2									3.5	4.3
W	1.3	3.2	.7	.1								5.2	4.8
WNW	1.3	3.7	1.6	.3	.3							7.3	5.7
NW	1.7	3.7	1.8	.5	.5							6.4	6.2
NNW	1.7	2.7	.4	.1								3.5	4.8
VARB													
CALM												14.4	
	23.4	49.2	11.3	1.6	.1	.3						122.3	4.1

TOTAL NUMBER OF OBSERVATIONS 5737

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$																
$\geq 0$					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.



#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH  
ETAC  
A WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1983 PESNO AIR TERMINAL CA

73-8

16

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-10	≥¼	≥0
NO CEILING	9.4	15.4	20.4	29.3	34.7	34.8	37.2	38.3	38.4	39.5	39.8	39.6	40.1	40.1	40.7	41.4
≥ 20000	9.3	16.3	20.8	29.8	35.3	35.5	37.9	39.0	39.1	40.2	40.5	40.5	40.7	40.7	41.4	42.1
W 18000	9.3	16.3	20.8	29.8	35.3	35.5	37.9	39.0	39.1	40.2	40.5	40.5	40.7	40.7	41.4	42.1
W 16000	9.3	16.3	20.8	29.8	35.3	35.5	37.9	39.0	39.1	40.2	40.5	40.5	40.7	40.7	41.4	42.1
≥ 14000	10.1	16.4	21.6	30.8	36.4	36.6	39.0	40.1	40.2	41.3	41.5	41.5	41.9	41.8	42.5	43.1
≥ 12000	10.3	17.4	23.1	32.5	38.6	38.7	41.3	42.3	42.5	43.5	43.8	43.8	44.1	44.1	44.8	45.4
≥ 10000	11.1	20.0	25.1	34.8	41.5	41.7	44.2	45.4	45.6	46.6	46.9	46.9	47.2	47.2	47.8	48.5
W 9000	12.1	21.4	26.4	36.3	43.5	43.7	46.2	47.4	47.6	48.7	48.9	48.9	49.2	49.2	49.9	50.5
≥ 8000	12.1	21.4	27.3	37.1	44.4	44.5	47.0	48.3	48.4	49.5	49.7	49.7	50.0	50.0	50.7	51.3
W 7000	15.1	24.0	31.1	40.2	47.7	47.8	50.5	51.7	51.9	53.0	53.4	53.4	53.6	53.6	54.3	55.0
≥ 6000	16.0	25.7	31.9	42.3	49.9	50.0	52.7	53.9	54.0	55.1	55.5	55.5	55.8	55.8	56.5	57.1
W 5000	17.0	28.1	34.3	45.0	52.6	52.7	55.5	56.7	56.9	57.9	58.3	58.3	58.6	58.6	59.4	60.1
W 4500	18.4	29.4	35.9	46.6	54.2	54.3	57.1	58.3	58.5	59.5	59.9	59.9	60.2	60.2	61.0	61.7
W 4000	20.0	32.1	38.0	49.5	57.3	57.4	60.2	61.4	61.6	62.6	63.0	63.0	63.3	63.3	64.1	64.8
W 3500	21.2	33.7	40.2	51.2	59.0	59.1	62.0	63.2	63.3	64.4	64.8	64.8	65.1	65.1	65.9	66.5
W 3000	23.0	36.3	42.7	54.3	62.1	62.2	65.1	66.5	66.7	67.7	68.1	68.1	68.4	68.4	69.2	69.9
W 2500	23.3	37.2	44.5	56.1	64.1	64.2	67.1	68.5	68.7	69.8	70.2	70.2	70.4	70.4	71.2	71.9
W 2000	23.7	37.5	44.8	56.3	64.6	64.6	67.7	69.2	69.4	70.6	71.0	71.0	71.2	71.2	72.0	72.7
W 1800	23.3	37.5	44.9	56.5	64.9	65.1	67.9	69.4	69.5	70.7	71.1	71.1	71.4	71.4	72.2	72.8
W 1500	23.7	37.9	45.6	57.4	66.0	66.1	69.5	70.4	70.5	71.8	72.2	72.2	72.4	72.4	73.3	73.9
W 1200	23.7	38.1	45.7	58.3	66.9	67.1	70.0	71.9	72.0	73.3	73.7	73.7	73.9	73.9	74.9	75.5
W 1000	23.7	38.1	45.7	58.3	66.9	67.1	70.0	71.9	72.0	73.3	73.7	73.7	73.9	73.9	74.9	75.5
W 900	23.7	38.0	45.3	58.6	67.5	67.6	71.1	73.0	73.1	74.3	74.7	74.7	75.0	75.0	75.9	76.6
W 800	23.7	38.0	45.3	58.6	67.5	67.6	71.1	73.0	73.1	74.3	74.7	74.7	75.0	75.0	75.9	76.6
W 700	23.7	38.2	45.1	59.4	68.7	69.1	72.8	74.9	75.0	76.2	76.9	76.9	77.2	77.2	78.1	78.8
W 600	23.7	38.4	46.2	59.7	69.2	70.0	74.2	76.3	76.5	77.8	78.5	78.5	78.8	78.8	79.7	80.4
W 500	23.7	38.4	46.4	60.1	69.8	70.6	75.4	77.7	77.8	79.2	79.8	79.8	80.1	80.1	81.0	81.7
W 400	23.7	38.6	46.6	60.5	70.2	71.1	75.9	78.9	79.1	80.4	81.2	81.2	81.5	81.5	82.4	83.1
W 300	23.7	38.6	46.6	60.6	70.6	71.5	76.9	79.8	80.0	82.1	82.9	82.9	83.2	83.3	84.5	85.2
W 200	23.7	38.6	46.6	60.6	70.6	71.5	76.9	79.8	80.0	82.1	82.9	82.9	83.2	83.3	84.5	85.2
W 100	23.7	38.6	46.6	60.6	70.6	71.5	76.9	79.8	80.0	82.1	82.9	82.9	83.2	83.3	84.5	85.2
W 0	23.7	38.6	46.6	60.6	70.6	71.5	76.9	79.8	80.0	82.1	82.9	82.9	83.2	83.3	84.5	85.2

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1993  
STATION

F ESNB AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7300-0500  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	9.5	15.1	19.7	27.6	33.2	33.6	36.3	37.2	37.2	38.0	38.4	38.4	38.8	38.8	39.2	39.9
≥ 20000	9.5	15.2	19.4	28.1	33.7	34.1	37.0	38.0	38.0	38.8	39.2	39.2	39.7	39.7	40.1	40.7
≥ 18000	9.5	15.2	19.4	28.1	33.7	34.1	37.0	38.0	38.0	38.8	39.2	39.2	39.7	39.7	40.1	40.7
≥ 16000	9.5	15.2	19.4	28.1	33.7	34.1	37.0	38.0	38.0	38.8	39.2	39.2	39.7	39.7	40.1	40.7
≥ 14000	9.5	16.0	20.3	29.2	35.1	35.5	38.3	39.4	39.4	40.2	40.6	40.6	41.0	41.0	41.5	42.2
≥ 12000	10.9	17.2	21.6	30.8	36.7	37.1	39.9	41.0	41.0	41.8	42.2	42.2	42.6	42.6	43.1	43.6
≥ 10000	11.4	19.0	23.4	32.7	39.5	39.9	43.0	44.2	44.2	45.0	45.6	45.6	46.0	46.0	46.5	47.2
≥ 9000	12.0	19.9	23.9	33.3	40.6	41.0	44.1	45.4	45.4	46.2	46.8	46.8	47.2	47.2	47.7	48.4
≥ 8000	12.2	19.9	24.3	33.7	41.0	41.4	44.6	46.0	46.0	46.8	47.3	47.3	47.7	47.7	48.3	48.9
≥ 7000	14.3	22.7	27.7	37.1	44.6	45.0	48.3	49.9	49.9	50.7	51.2	51.2	51.6	51.6	52.4	53.1
≥ 6000	16.1	25.1	30.2	39.7	47.2	47.6	50.8	52.4	52.4	53.2	53.9	53.9	54.2	54.2	55.0	55.6
≥ 5000	16.3	27.6	33.1	42.9	50.4	50.8	54.2	55.8	55.8	56.6	57.1	57.1	57.5	57.5	58.3	59.0
≥ 4500	19.3	29.5	34.7	43.4	51.3	51.7	55.1	56.7	56.7	57.5	58.1	58.1	58.5	58.5	59.3	59.9
≥ 4000	19.3	30.8	36.8	46.4	54.4	54.8	58.5	60.1	60.1	60.9	61.4	61.4	61.8	61.8	62.6	63.2
≥ 3500	7.1	32.0	38.3	47.8	56.2	56.6	60.2	61.8	61.8	62.6	63.2	63.2	63.6	63.6	64.4	65.1
≥ 3000	21.1	34.4	40.9	50.9	59.4	59.8	63.6	65.2	65.2	66.0	66.6	66.6	67.2	67.2	68.0	68.7
≥ 2500	12.2	35.3	41.8	51.9	60.9	60.9	64.7	66.5	66.5	67.5	68.0	68.0	68.4	68.4	69.2	69.9
≥ 2000	22.1	36.3	42.7	53.0	61.7	62.1	65.9	67.7	67.7	68.7	69.2	69.2	69.6	69.6	70.4	71.1
≥ 1800	22.1	36.3	42.7	53.0	61.7	62.1	65.9	67.7	67.7	68.7	69.2	69.2	69.6	69.6	70.4	71.1
≥ 1500	23.1	36.4	42.9	53.1	61.8	62.2	66.1	68.0	68.0	69.0	69.5	69.5	69.9	69.9	70.7	71.4
≥ 1200	23.1	37.4	44.1	54.6	63.3	63.7	67.9	69.8	69.8	70.7	71.2	71.2	71.6	71.6	72.4	73.1
≥ 1000	23.1	37.5	44.2	55.0	63.7	64.4	68.7	71.1	71.1	72.0	72.6	72.6	73.1	73.1	73.9	74.6
≥ 900	23.1	37.5	44.2	55.2	64.3	64.7	69.4	71.8	71.8	72.7	73.3	73.3	73.8	73.8	74.6	75.3
≥ 800	23.1	37.5	44.4	55.6	64.4	65.1	69.8	72.2	72.2	73.1	73.7	73.7	74.2	74.2	75.0	75.7
≥ 700	23.1	37.6	44.5	55.9	64.6	65.5	70.4	72.8	72.8	73.8	74.3	74.3	74.9	74.9	75.7	76.3
≥ 600	24.1	37.6	44.6	56.5	65.5	66.1	71.6	74.2	74.2	75.1	75.8	75.8	76.3	76.3	77.2	77.8
≥ 500	24.1	37.6	44.6	56.7	66.0	66.7	72.8	75.5	75.5	76.6	77.3	77.3	77.8	77.8	78.6	79.3
≥ 400	24.1	37.6	44.8	56.9	66.1	66.8	73.4	77.1	77.1	78.2	79.0	79.0	79.6	79.6	80.4	81.0
≥ 300	24.1	37.6	44.8	57.0	66.3	66.9	74.3	78.2	78.2	80.1	81.0	81.0	81.9	81.9	82.7	83.5
≥ 200	24.1	37.6	44.8	57.1	66.3	66.9	74.5	78.5	78.5	81.2	82.7	82.7	84.0	84.0	85.1	86.8
≥ 100	24.1	37.6	44.8	57.1	66.3	66.9	74.5	78.5	78.5	81.3	82.9	82.9	84.9	84.9	86.6	92.5
≥ 0	24.1	37.6	44.8	57.1	66.3	66.9	74.5	78.5	78.5	81.3	82.9	82.9	84.9	85.1	86.6	90.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH  
NAF TAC  
A - WEATHER SERVICE/MIC

## CEILING VERSUS VISIBILITY

STATION 163 ESNO AIR TERMINAL CA

73-86

1959

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0630-0630  
HOURS 11 ST.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1	≥0
NO CEILING	9.7	13.4	17.2	21.9	27.0	27.6	30.2	31.0	31.1	32.7	33.7	33.7	33.9	34.0	34.3	35.3
≥20000	11.7	15.3	19.3	24.1	29.6	30.1	33.9	34.3	34.3	36.2	37.0	37.1	37.1	37.2	37.5	38.7
≥18000	11.2	15.2	19.2	24.1	29.6	30.1	33.9	34.3	34.3	36.2	37.0	37.0	37.1	37.2	37.5	38.7
≥16000	11.2	15.2	19.2	24.1	29.6	30.1	33.9	34.3	34.3	36.2	37.0	37.0	37.1	37.2	37.5	38.7
≥14000	11.2	15.6	19.6	24.6	30.1	30.6	34.1	35.1	35.1	37.2	38.0	38.0	38.2	38.3	38.6	39.8
≥12000	11.7	16.0	20.2	25.3	30.6	31.3	34.9	36.2	36.2	38.4	39.4	39.4	39.5	39.7	39.9	41.1
≥10000	12.6	17.6	21.8	27.0	33.1	33.7	37.4	38.7	38.9	41.1	42.3	42.3	42.6	42.9	43.3	44.5
≥9000	13.6	18.7	22.2	27.4	33.7	34.4	38.3	40.3	40.5	42.7	44.0	44.0	44.4	44.6	45.0	46.2
≥8000	13.7	19.7	22.8	28.1	34.4	35.1	39.0	41.0	41.1	43.4	44.6	44.6	45.0	45.3	45.7	46.9
≥7000	15.7	21.0	25.3	30.5	36.8	37.6	42.1	44.1	44.2	46.5	47.7	47.7	48.3	48.5	49.1	50.3
≥6000	16.1	24.3	29.6	33.9	40.2	41.1	45.7	47.8	48.0	50.3	51.5	51.5	52.0	52.3	52.9	54.0
≥5000	19.1	25.7	32.1	35.3	41.5	42.7	47.4	49.6	49.7	52.2	53.4	53.4	53.9	54.2	54.7	55.9
≥4500	21.3	27.3	31.7	37.0	43.5	44.5	49.2	51.5	51.6	54.0	55.2	55.2	55.9	56.2	56.7	57.9
≥4000	21.1	27.5	33.6	39.6	45.4	46.4	51.1	53.4	53.5	55.9	57.1	57.1	57.8	58.1	58.6	59.5
≥3500	21.4	30.5	35.1	40.3	47.0	48.0	52.7	55.0	55.1	57.5	59.7	59.7	59.4	59.7	60.2	61.4
≥3000	22.6	31.7	36.4	41.8	49.2	50.1	55.0	57.3	57.4	59.9	61.3	61.3	62.0	62.2	62.8	64.0
≥2500	22.6	32.3	37.0	42.5	51.1	51.1	55.9	58.3	58.5	61.0	62.4	62.4	63.0	63.3	63.8	65.1
≥2000	23.3	33.9	38.6	44.4	52.2	53.1	58.2	60.6	60.8	63.3	64.7	64.7	65.3	65.6	66.1	67.3
≥1800	24.1	34.1	38.8	44.6	52.4	53.4	58.5	60.9	61.0	63.6	64.9	64.9	65.6	65.9	66.4	67.6
≥1500	24.1	34.5	39.2	45.2	53.0	53.9	59.3	61.7	61.8	64.4	65.7	65.7	66.4	66.7	67.2	68.4
≥1200	24.7	35.2	40.2	46.1	54.2	55.1	60.6	63.0	63.2	65.7	67.1	67.1	67.7	68.0	68.5	69.8
≥1000	24.7	35.5	40.6	47.0	55.2	56.2	61.8	64.2	64.4	67.1	68.4	68.4	69.1	69.4	69.9	71.1
≥900	24.7	35.6	40.7	47.2	55.4	56.3	62.2	64.9	65.1	67.9	69.2	69.2	69.9	70.2	70.7	71.9
≥800	24.7	35.6	40.7	47.2	55.4	56.3	62.6	65.3	65.5	68.3	69.6	69.6	70.3	70.7	71.2	72.4
≥700	24.9	35.6	40.9	47.3	55.9	57.0	63.6	66.3	66.4	69.2	70.7	70.7	71.4	71.6	72.2	73.4
≥600	25.3	35.9	41.1	47.8	56.5	57.8	64.7	67.5	67.6	70.4	72.0	72.0	72.8	73.1	73.7	74.9
≥500	25.3	35.9	41.1	47.8	56.6	57.3	65.2	68.3	68.4	71.4	73.0	73.0	73.8	74.1	74.6	75.9
≥400	25.3	35.9	41.1	48.1	57.3	58.5	66.4	70.0	70.2	73.5	75.4	75.4	76.2	76.5	77.0	78.2
≥300	25.3	35.9	41.1	48.1	57.3	58.5	67.1	71.4	71.5	75.1	77.4	77.4	78.0	79.3	80.1	81.9
≥200	25.3	35.9	41.1	48.1	57.3	58.5	67.3	71.6	71.8	75.5	78.5	78.5	81.0	81.5	82.8	85.5
≥100	25.3	35.9	41.1	48.1	57.3	58.5	67.3	71.6	71.8	75.7	78.5	78.5	81.7	82.1	85.3	92.7
≥0	25.3	35.9	41.1	48.1	57.3	58.5	67.3	71.6	71.8	75.7	78.5	78.5	81.7	82.1	85.3	92.7

TOTAL NUMBER OF OBSERVATIONS 749

CEILING CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

193 STATION FRESNO AIR TERMINAL CA

73-80

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1960-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.2	≥.15	≥.1	≥.05	≥0
NO CEILING	10.1	14.5	16.4	19.6	24.6	26.1	28.6	29.2	29.2	31.7	32.1	32.1	32.7	32.7	32.8	33.5
≥ 20000	11.1	15.1	16.5	22.5	29.0	29.6	32.5	32.9	32.9	35.5	35.9	35.9	36.4	36.4	36.6	37.2
≥ 18000	11.1	16.4	16.5	22.6	28.5	30.1	33.2	33.6	33.6	36.2	36.6	36.6	37.1	37.1	37.2	37.9
≥ 16000	11.1	16.4		22.6	28.5	30.2	33.3	33.7	33.7	36.3	36.7	36.7	37.2	37.2	37.4	38.0
≥ 14000	12.4	17.1		24.4	29.4	31.2	34.4	34.8	34.8	37.5	38.0	38.0	38.5	38.5	38.9	39.5
≥ 12000	13.5	18.5		25.7	31.0	32.9	36.2	36.8	36.8	39.5	40.1	40.1	40.6	40.6	40.9	41.5
≥ 10000	13.5	19.1	2	25.7	32.0	33.9	37.6	38.4	38.4	41.3	41.9	41.9	42.5	42.5	42.7	43.4
≥ 9000	14.4	19.6	22.2	26.5	33.2	35.1	39.0	39.9	39.9	42.9	43.5	43.5	44.1	44.1	44.4	45.0
≥ 8000	15.6	21.0	23.5	27.8	34.9	37.0	41.1	42.1	42.1	45.2	45.8	45.8	46.4	46.4	46.6	47.4
≥ 7000	16.7	22.1	24.5	29.0	35.2	36.8	43.1	44.2	44.2	47.7	48.9	48.9	49.7	49.7	50.2	50.9
≥ 6000	17.8	24.6	27.4	31.5	39.2	42.1	46.4	47.0	47.6	51.2	52.6	52.6	53.4	53.4	53.6	54.4
≥ 5000	20.7	27.0	30.0	34.4	42.1	45.0	49.3	50.5	50.8	54.4	55.2	55.9	56.7	56.7	57.0	57.8
≥ 4500	21.5	28.0	30.9	35.3	43.0	46.0	50.3	51.7	51.7	55.4	56.9	56.9	57.7	57.7	57.9	58.7
≥ 4000	22.1	29.4	32.4	36.5	44.9	47.8	52.3	54.2	54.2	57.9	59.4	59.4	60.2	60.2	60.5	61.3
≥ 3500	23.1	30.4	33.3	37.6	46.0	48.9	53.5	55.4	55.4	59.1	60.6	60.6	61.4	61.4	61.7	62.5
≥ 3000	23.8	31.5	34.4	39.2	47.4	50.4	55.0	57.0	57.0	60.9	62.4	62.4	63.2	63.2	63.4	64.2
≥ 2500	24.6	32.7	35.9	41.0	49.2	52.3	57.0	59.0	59.0	62.9	64.4	64.4	65.2	65.2	65.5	66.3
≥ 2000	25.3	34.0	37.4	42.5	50.8	53.9	58.6	60.6	60.6	64.5	66.0	66.0	66.8	66.8	67.1	67.9
≥ 1800	25.4	34.3	37.6	42.9	51.1	54.2	58.9	60.9	60.9	64.8	66.3	66.3	67.1	67.1	67.3	68.1
≥ 1500	25.5	34.5	37.9	43.1	51.3	54.4	59.1	61.2	61.2	65.1	66.5	66.5	67.3	67.3	67.6	68.4
≥ 1200	25.1	35.1	38.4	43.5	52.2	55.2	59.9	62.2	62.4	66.7	68.1	68.1	69.0	69.0	69.2	70.0
≥ 1000	25.3	35.3	38.8	44.4	53.0	56.2	61.0	63.3	63.4	67.9	69.4	69.4	70.2	70.2	70.4	71.2
≥ 900	25.3	35.5	39.0	44.5	53.1	56.3	61.6	64.0	64.1	68.5	70.3	70.3	71.1	71.1	71.4	72.2
≥ 800	25.3	35.5	39.1	44.5	53.1	56.3	61.8	64.2	64.4	68.8	70.7	70.7	71.5	71.5	71.8	72.6
≥ 700	25.3	35.6	39.1	44.9	53.5	56.9	62.8	65.9	66.0	70.4	72.3	72.3	73.1	73.1	73.4	74.2
≥ 600	25.5	35.6	39.1	45.3	54.0	57.4	63.5	66.7	66.9	72.5	73.9	73.9	74.7	74.7	75.0	75.8
≥ 500	26.5	35.6	39.1	45.4	54.3	57.7	63.8	67.2	67.6	73.5	76.1	76.1	76.9	76.9	77.2	78.0
≥ 400	26.5	35.6	39.1	45.4	54.3	57.7	64.2	67.6	68.3	74.7	78.8	78.8	79.7	79.7	80.0	80.8
≥ 300	26.5	35.6	39.1	45.4	54.3	57.7	64.4	68.3	69.0	76.5	82.7	82.7	84.0	84.0	84.4	85.3
≥ 200	26.5	35.6	39.1	45.4	54.3	57.7	64.4	68.3	69.0	76.6	83.3	83.5	86.2	86.6	88.0	90.9
≥ 100	26.5	35.6	39.1	45.4	54.3	57.7	64.4	68.3	69.0	76.6	83.3	83.5	86.2	86.6	88.6	96.4
≥ 0	26.5	35.6	39.1	45.4	54.3	57.7	64.4	68.3	69.0	76.6	83.3	83.5	86.2	86.6	88.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/AFAC

# CEILING VERSUS VISIBILITY

1950 STATION PUESNO AIR TERMINAL CA 73-60 YEARS JAN 1950

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1500  
 HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	2.7	14.4	20.6	23.4	31.9	31.9	33.6	34.7	34.7	36.3	36.6	36.6	36.7	36.7	36.7	36.7
≥20000	11.4	17.2	24.6	28.2	36.4	37.5	39.4	40.6	40.6	42.5	42.5	42.9	43.0	43.0	43.0	43.0
≥18000	11.1	18.3	25.1	28.9	37.1	38.2	40.1	41.3	41.3	43.1	43.5	43.5	43.7	43.7	43.7	43.7
≥16000	12.1	18.4	25.1	29.4	37.6	38.7	40.6	41.8	41.8	43.7	44.1	44.1	44.2	44.2	44.2	44.2
≥14000	13.3	19.5	26.3	30.8	39.0	40.2	42.2	43.5	43.5	45.4	45.8	45.8	46.0	46.0	46.0	46.0
≥12000	14.2	21.0	28.1	32.7	41.0	42.2	44.2	46.0	46.0	47.8	48.3	48.3	48.4	48.4	48.4	48.4
≥10000	15.1	22.3	29.6	34.3	42.7	44.0	46.4	48.3	48.3	50.1	50.5	50.5	50.7	50.7	50.7	50.7
≥9000	16.3	23.7	31.3	36.2	44.6	45.1	48.5	50.7	50.7	52.4	53.0	53.0	53.1	53.1	53.1	53.1
≥8000	16.2	24.3	32.0	37.0	45.7	47.2	49.6	52.0	52.0	53.9	54.3	54.3	54.4	54.4	54.4	54.4
≥7000	15.4	25.8	33.6	38.6	47.7	49.3	52.2	54.6	54.6	56.6	57.0	57.0	57.1	57.1	57.1	57.1
≥6000	20.2	27.6	35.5	40.9	50.1	51.6	54.7	57.1	57.1	59.4	59.8	59.8	59.9	59.9	59.9	59.9
≥5000	22.8	27.5	38.7	44.1	53.4	55.1	57.9	60.3	60.3	62.6	63.2	63.2	63.3	63.3	63.3	63.3
≥4500	23.3	31.7	40.1	45.4	54.7	56.6	59.4	61.8	61.8	64.1	64.7	64.7	64.8	64.8	64.8	64.8
≥4000	24.7	32.9	41.4	46.9	56.5	58.7	61.6	64.1	64.1	66.4	66.9	66.9	67.1	67.1	67.1	67.1
≥3500	25.3	33.5	41.9	47.6	57.3	59.5	62.4	64.9	64.9	67.2	67.7	67.7	67.9	67.9	67.9	67.9
≥3000	25.4	34.4	43.3	48.9	58.9	61.2	64.0	66.7	66.7	69.0	69.5	69.5	69.6	69.6	69.6	69.6
≥2500	27.4	36.6	45.6	51.9	62.0	64.2	67.1	69.8	69.8	72.0	72.6	72.6	72.7	72.7	72.7	72.7
≥2000	29.0	38.4	47.7	54.2	64.2	66.5	69.4	72.0	72.0	74.3	74.9	74.9	75.0	75.0	75.0	75.0
≥1800	29.7	38.4	47.8	54.3	64.7	66.9	69.8	72.4	72.4	74.7	75.3	75.3	75.4	75.4	75.4	75.4
≥1500	30.0	39.7	49.2	55.9	66.4	68.7	71.6	74.5	74.5	76.7	77.3	77.3	77.4	77.4	77.4	77.4
≥1200	30.1	39.8	49.5	56.3	66.8	69.2	73.0	75.8	75.8	78.2	78.8	78.8	78.9	78.9	78.9	78.9
≥1000	30.2	40.1	50.3	57.1	67.9	71.0	75.0	78.4	78.4	81.3	82.0	82.0	82.1	82.1	82.1	82.1
≥900	30.2	40.1	50.4	57.4	68.1	71.2	75.5	79.3	79.6	82.8	83.5	83.5	83.6	83.6	83.6	83.6
≥800	30.4	40.2	50.7	57.8	68.5	71.6	75.9	79.7	80.1	83.5	84.4	84.4	84.5	84.5	84.5	84.5
≥700	30.4	40.2	50.7	57.9	68.7	72.0	76.5	80.8	81.2	85.2	86.7	86.7	86.8	86.8	86.8	86.8
≥600	30.4	40.2	50.7	57.9	68.7	72.0	76.6	81.7	82.4	86.8	89.1	89.1	89.2	89.2	89.2	89.2
≥500	30.4	40.2	50.8	58.2	69.1	72.6	77.3	83.1	83.7	89.1	92.3	92.3	92.5	92.5	92.5	92.5
≥400	30.4	40.2	50.8	58.2	69.2	72.7	77.6	83.7	84.4	90.1	94.6	94.6	95.2	95.2	95.2	95.2
≥300	30.4	40.2	50.8	58.2	69.2	72.7	77.6	84.1	84.8	90.6	96.2	96.4	97.0	97.0	97.2	97.2
≥200	30.4	40.2	50.8	58.2	69.2	72.7	77.6	84.1	84.8	90.6	96.5	96.6	97.8	98.0	99.3	99.5
≥100	30.4	40.2	50.8	58.2	69.2	72.7	77.6	84.1	84.8	90.6	96.5	96.6	97.8	98.0	99.5	100.0
≥0	30.4	40.2	50.8	58.2	69.2	72.7	77.6	84.1	84.8	90.6	96.5	96.6	97.8	98.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UNITED STATES CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1953  
STATION

ESLO AIR TERMINAL CA  
STATION NAME

73-80  
YEAR

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	34.2	22.0	20.0	34.1	40.9	43.7	44.6	46.2	46.2	47.0	47.7	47.7	47.7	47.7	47.8	47.8
≥ 20000	16.7	24.6	32.6	37.5	44.8	47.8	48.3	50.9	52.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1
≥ 18000	16.7	24.6	33.1	37.6	45.2	48.5	49.5	51.5	51.6	52.3	53.3	53.3	53.3	53.3	53.9	53.9
≥ 16000	16.7	24.6	33.1	37.6	45.4	48.6	49.7	51.7	51.9	53.1	54.2	54.3	54.3	54.3	54.2	54.2
≥ 14000	17.7	25.3	33.5	38.3	46.4	49.9	50.9	52.8	53.0	54.2	55.1	55.1	55.1	55.1	55.2	55.2
≥ 12000	19.5	26.0	35.7	41.5	47.6	53.2	54.2	56.5	56.5	57.9	58.9	58.9	58.9	58.9	59.0	59.0
≥ 10000	22.2	30.0	39.0	45.0	53.6	57.8	58.7	61.0	61.2	62.5	63.4	63.4	63.4	63.4	63.6	63.6
≥ 9000	22.7	31.2	40.5	46.0	54.6	58.7	59.7	62.3	62.1	63.7	64.7	64.7	64.7	64.7	64.8	64.6
≥ 8000	23.7	32.4	41.7	47.5	56.3	60.5	61.4	63.7	63.9	65.5	66.4	66.4	66.4	66.4	66.5	66.5
≥ 7000	25.2	33.2	42.5	48.7	58.8	64.1	65.1	67.3	67.5	69.1	70.0	70.0	70.0	70.0	70.2	70.2
≥ 6000	27.2	37.1	46.4	52.6	62.5	66.3	67.3	69.6	69.6	71.5	72.4	72.4	72.4	72.4	72.6	72.6
≥ 5000	29.4	38.8	48.1	54.3	63.8	68.4	69.5	71.8	71.9	73.7	74.6	74.6	74.6	74.6	74.7	74.7
≥ 4500	31.1	40.5	49.7	55.9	65.5	70.3	71.4	73.7	73.8	75.7	76.6	76.6	76.6	76.6	76.7	76.7
≥ 4000	31.5	41.5	50.8	57.0	66.5	71.5	73.2	75.4	75.5	77.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 3500	31.7	41.6	51.2	57.4	66.9	71.9	73.4	75.6	75.7	77.8	78.8	78.8	78.8	78.8	78.9	78.9
≥ 3000	32.0	43.4	52.7	59.1	68.7	73.7	75.1	77.6	77.7	79.6	80.5	80.5	80.5	80.5	80.6	80.6
≥ 2500	34.3	45.4	54.6	61.4	71.1	76.2	77.7	80.1	80.2	82.1	83.1	83.1	83.1	83.1	83.2	83.2
≥ 2000	34.9	46.0	55.4	62.1	72.2	77.3	78.8	81.2	81.3	83.2	84.1	84.1	84.1	84.1	84.3	84.3
≥ 1800	34.9	46.2	55.6	62.4	72.4	77.6	79.0	81.5	81.6	83.5	84.4	84.4	84.4	84.4	84.5	84.5
≥ 1500	34.9	46.5	56.2	62.9	73.0	78.2	80.1	83.3	83.5	85.3	86.3	86.3	86.3	86.3	86.4	86.4
≥ 1200	34.9	46.5	56.2	63.4	73.7	79.7	81.6	85.1	85.2	87.2	88.4	88.4	88.4	88.4	88.6	88.6
≥ 1000	34.9	46.6	56.6	63.6	73.9	80.1	82.3	86.7	87.2	89.4	90.9	90.9	90.9	90.9	91.0	91.0
≥ 900	34.9	46.6	56.6	63.6	73.9	80.1	82.3	86.7	87.2	90.5	92.6	92.6	92.6	92.6	92.7	92.7
≥ 800	34.9	46.6	56.6	63.6	73.9	80.1	82.3	86.7	87.2	90.6	92.7	92.7	92.7	92.7	92.9	92.9
≥ 700	34.9	46.6	56.6	63.6	74.1	80.2	82.7	88.0	88.6	92.5	95.4	95.4	95.4	95.4	95.6	95.6
≥ 600	34.9	46.6	56.6	63.6	74.1	80.2	82.7	88.7	89.5	93.7	96.9	96.9	96.9	96.9	97.0	97.0
≥ 500	34.9	46.6	56.6	63.6	74.1	80.2	82.7	88.7	89.5	94.0	98.1	98.1	98.1	98.1	98.3	98.3
≥ 400	34.9	46.6	56.6	63.6	74.1	80.2	82.7	88.7	89.5	94.0	98.6	98.6	98.6	98.6	98.9	98.9
≥ 300	34.9	46.6	56.6	63.6	74.1	80.2	83.1	89.1	89.9	94.4	99.2	99.2	99.2	99.2	99.5	99.5
≥ 200	34.9	46.6	56.6	63.6	74.1	80.2	83.1	89.1	89.9	94.4	99.2	99.2	99.2	99.2	99.5	99.5
≥ 100	34.9	46.6	56.6	63.6	74.1	80.2	83.1	89.1	89.9	94.4	99.2	99.2	99.2	99.2	99.6	99.6
≥ 0	34.9	46.6	56.6	63.6	74.1	80.2	83.1	89.1	89.9	94.4	99.2	99.2	99.2	99.2	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-83  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1936-2000  
NO. OF YEARS

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	10.1	23.6	31.3	39.5	47.4	49.1	49.9	49.6	49.5	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.0
≥ 20000	16.6	24.5	33.3	41.9	5.1	50.5	51.7	52.0	53.0	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5
≥ 18000	17.1	25.0	33.5	42.1	50.3	50.9	51.9	53.1	53.1	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	17.1	25.7	33.5	42.1	50.3	50.9	51.9	53.1	53.1	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	17.3	25.7	34.1	42.7	51.1	51.7	52.7	54.0	54.0	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	18.4	27.3	34.6	44.9	54.0	55.0	55.9	57.3	57.3	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	20.2	29.4	36.6	48.1	57.5	58.5	59.4	60.9	60.9	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4
≥ 9000	20.2	30.4	37.7	49.3	58.3	60.2	61.2	62.6	62.6	62.9	63.0	63.0	63.2	63.2	63.2	63.2	63.2
≥ 8000	21.7	31.7	41.3	50.9	60.9	61.3	62.3	64.4	64.4	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9
≥ 7000	24.7	35.1	44.5	54.6	65.1	66.1	67.1	68.7	68.7	69.1	69.2	69.2	69.3	69.4	69.4	69.4	69.4
≥ 6000	26.6	37.9	47.7	57.7	68.4	69.5	70.4	72.0	72.0	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7
≥ 5000	26.6	39.4	48.5	59.4	70.2	71.2	72.3	73.9	73.9	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6
≥ 4500	28.6	41.3	51.5	61.4	72.2	73.3	74.3	75.9	75.9	76.3	76.5	76.5	76.6	76.6	76.6	76.6	76.6
≥ 4000	29.2	42.1	52.4	62.4	73.7	74.7	75.3	77.4	77.4	77.6	78.0	78.0	78.1	78.1	78.1	78.1	78.1
≥ 3500	29.4	42.5	53.1	63.0	74.5	75.5	76.7	78.4	78.4	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0
≥ 3000	29.2	43.5	54.2	64.2	75.7	76.7	78.0	79.6	79.6	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2
≥ 2500	31.3	44.6	55.5	65.9	77.3	78.4	79.6	81.2	81.2	81.6	81.7	81.7	81.9	81.9	81.9	81.9	81.9
≥ 2000	31.0	45.0	56.0	66.5	78.1	79.2	80.4	82.0	82.0	82.4	82.5	82.5	82.7	82.7	82.7	82.7	82.7
≥ 1800	31.2	45.2	56.3	66.6	78.6	79.7	80.9	82.5	82.5	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2
≥ 1500	31.2	45.4	57.1	67.9	80.0	81.0	82.5	84.1	84.1	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.8
≥ 1200	31.3	45.6	57.3	68.0	80.5	82.1	84.3	85.9	85.9	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.6
≥ 1000	31.3	45.6	57.4	68.1	81.0	82.3	84.9	87.0	87.0	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6
≥ 900	31.3	45.6	57.7	68.5	81.6	83.3	86.0	88.0	88.0	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8
≥ 800	31.3	45.6	57.7	68.5	81.7	83.5	86.6	89.0	89.0	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8
≥ 700	31.3	45.6	57.7	68.5	82.1	83.9	86.3	91.1	91.1	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3
≥ 600	31.3	45.6	57.7	68.5	82.3	84.3	89.0	92.2	92.2	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4
≥ 500	31.3	45.6	57.7	68.6	82.5	84.4	89.9	93.6	93.6	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0
≥ 400	31.3	45.6	57.7	69.0	82.8	84.7	90.3	94.4	94.4	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8
≥ 300	31.3	45.6	57.7	69.0	82.9	84.8	90.9	95.3	95.3	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3
≥ 200	31.3	45.6	57.7	69.0	82.9	84.8	90.9	95.4	95.4	96.6	97.3	97.3	97.5	97.5	97.5	97.5	97.5
≥ 100	31.3	45.6	57.7	69.0	82.9	84.8	91.0	95.6	95.6	97.0	97.5	97.5	97.6	97.6	97.6	97.6	97.6
≥ 0	31.3	45.6	57.7	69.0	82.9	84.8	91.0	95.6	95.6	97.0	97.5	97.5	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 1000 JUL 84 D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
ETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

100 STATION FRESNO AIR TERMINAL CA 73-80 745 JAN 1960

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
2000-2100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/16	≥0
NO CEILING	12.5	18.6	25.5	34.4	40.7	41.5	44.1	44.4	44.4	45.0	45.3	45.3	45.4	45.6	45.6	46.2
≥ 20000	12.5	19.5	26.2	35.6	42.6	43.4	46.0	46.4	46.4	47.0	47.4	47.4	47.4	47.6	47.7	48.4
≥ 18000	12.5	19.5	26.2	35.6	42.6	43.4	46.0	46.4	46.4	47.0	47.4	47.4	47.4	47.6	47.7	48.4
≥ 16000	12.5	19.5	26.2	35.6	42.6	43.4	46.0	46.4	46.4	47.0	47.4	47.4	47.4	47.6	47.7	48.4
≥ 14000	13.2	19.9	26.6	36.2	43.4	44.2	46.8	47.2	47.2	47.6	48.3	48.3	48.4	48.5	48.8	49.2
≥ 12000	14.2	20.8	27.5	37.9	45.2	46.0	48.7	49.1	49.1	49.7	50.1	50.1	50.3	50.4	50.7	51.1
≥ 10000	15.6	23.1	30.2	40.6	48.7	49.5	52.2	52.6	52.6	53.2	53.6	53.6	53.8	53.8	54.2	54.6
≥ 9000	16.3	23.8	30.9	41.4	49.6	50.4	53.1	53.5	53.5	54.2	54.6	54.6	54.7	54.8	55.1	55.5
≥ 8000	16.7	24.5	31.6	42.6	50.8	51.6	54.3	54.7	54.7	55.4	55.8	55.8	55.9	56.0	56.3	56.7
≥ 7000	16.7	27.3	34.9	45.6	54.2	55.0	57.7	58.2	58.2	58.9	59.3	59.3	59.4	59.5	59.8	60.2
≥ 6000	20.3	29.8	37.9	48.9	57.3	58.1	60.8	61.3	61.3	62.0	62.4	62.4	62.5	62.6	62.9	63.3
≥ 5000	21.1	31.9	40.1	51.3	60.1	60.9	63.6	64.1	64.1	64.8	65.2	65.2	65.3	65.5	65.7	66.1
≥ 4500	21.3	33.5	41.7	53.5	62.4	63.3	66.0	66.5	66.5	67.2	67.6	67.6	67.7	67.9	68.1	68.5
≥ 4000	22.4	34.1	43.0	55.0	63.8	64.8	67.5	68.0	68.0	68.7	69.1	69.1	69.2	69.4	69.6	70.0
≥ 3500	22.7	35.6	43.8	55.8	64.7	65.6	68.3	68.8	68.8	69.5	69.9	69.9	70.0	70.2	70.4	70.8
≥ 3000	23.4	37.5	46.7	56.1	66.0	67.9	70.7	71.2	71.2	71.9	72.3	72.3	72.4	72.6	72.8	73.3
≥ 2500	23.5	37.9	46.7	59.7	68.5	69.5	72.3	72.8	72.8	73.5	73.9	73.9	74.1	74.2	74.5	74.9
≥ 2000	23.5	38.0	47.7	60.6	69.6	70.6	73.4	73.9	73.9	74.9	75.3	75.3	75.4	75.5	75.8	76.2
≥ 1800	23.5	38.4	48.1	61.0	70.2	71.1	73.9	74.5	74.5	75.4	75.8	75.8	75.9	76.1	76.3	76.7
≥ 1500	23.5	38.4	48.3	61.8	71.1	72.3	75.0	75.5	75.5	76.5	76.9	76.9	77.0	77.2	77.4	77.8
≥ 1200	23.5	38.7	48.6	62.5	72.0	73.0	75.6	77.2	77.2	78.1	78.5	78.5	78.6	78.8	79.0	79.4
≥ 1000	23.5	39.0	49.1	63.2	72.0	73.6	77.6	78.2	78.2	79.3	79.7	79.7	79.8	80.0	80.2	80.6
≥ 900	23.5	39.3	49.3	63.4	73.4	74.3	78.5	79.2	79.2	80.2	80.8	80.8	80.9	81.0	81.3	81.7
≥ 800	23.5	39.3	49.5	63.6	73.7	75.0	79.7	80.4	80.4	81.5	82.0	82.0	82.1	82.3	82.5	82.9
≥ 700	23.5	39.0	49.5	63.8	74.3	75.2	81.3	82.1	82.1	83.2	83.7	83.7	83.9	84.0	84.3	84.7
≥ 600	23.5	39.0	49.5	64.0	74.5	76.1	82.1	83.2	83.2	84.3	84.8	84.8	84.9	85.1	85.3	85.8
≥ 500	23.5	39.0	49.5	64.3	74.6	76.2	83.1	84.2	84.2	85.3	85.8	85.8	86.0	86.1	86.4	86.8
≥ 400	23.5	39.1	49.6	64.1	75.1	76.7	84.1	85.0	85.0	86.0	86.3	86.3	86.4	86.6	86.8	87.2
≥ 300	23.5	39.1	49.6	64.2	75.5	77.2	85.1	87.1	87.1	88.5	89.2	89.2	89.3	89.5	89.7	90.1
≥ 200	23.5	39.1	49.6	64.2	75.5	77.2	85.5	87.6	87.6	89.6	91.5	91.5	92.1	92.2	92.6	93.1
≥ 100	23.5	39.1	49.6	64.2	75.5	77.2	85.5	87.6	87.6	89.6	91.5	91.5	92.3	92.5	93.3	96.9
≥ 0	23.5	39.1	49.6	64.2	75.5	77.2	85.5	87.6	87.6	89.6	91.5	91.5	92.3	92.5	93.3	96.9

TOTAL NUMBER OF OBSERVATIONS 764

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 19 WESHO AIR TERMINAL CA

73-67

187

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
NOV 5-11

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	26	25	24	23	22½	22	21½	21¼	21	20¾	20½	20¼	20	19½	20
NO CEILING	11.3	17.2	22.5	28.8	34.9	35.7	38.0	38.3	38.2	40.0	40.4	40.4	40.7	40.7	40.9	41.4
≥ 20000	12.5	18.7	24.4	30.5	37.6	38.6	40.5	41.9	41.9	43.2	43.6	43.6	43.9	43.9	44.1	44.6
≥ 18000	12.4	18.6	24.5	31.1	37.8	38.9	41.1	42.1	42.2	43.5	43.9	43.9	44.2	44.2	44.4	44.9
≥ 16000	12.5	18.9	24.8	31.2	37.8	39.0	41.2	42.3	42.3	43.6	44.1	44.1	44.3	44.3	44.5	45.0
≥ 14000	13.1	19.5	25.2	32.0	38.9	40.0	42.3	43.4	43.4	44.7	45.2	45.2	45.4	45.4	45.7	46.2
≥ 12000	14.1	21.3	26.6	33.3	41.9	42.1	44.4	45.6	45.7	47.0	47.5	47.5	47.8	47.8	48.1	48.5
≥ 10000	15.3	22.7	28.7	35.0	43.6	44.9	47.4	48.7	48.7	50.1	50.7	50.7	50.9	51.0	51.3	51.7
≥ 9000	16.7	23.4	29.6	37.0	45.8	46.2	48.8	50.2	50.3	51.7	52.3	52.3	52.6	52.6	52.9	53.3
≥ 8000	16.7	24.3	30.6	38.1	46.1	47.4	50.0	51.5	51.6	52.0	53.6	53.6	53.8	53.9	54.2	54.7
≥ 7000	16.7	26.6	33.2	40.8	49.0	50.5	53.2	54.8	54.8	56.4	57.1	57.1	57.4	57.4	57.8	58.2
≥ 6000	20.2	29.1	35.7	43.5	51.8	53.3	56.1	57.7	57.8	59.4	60.1	60.1	60.4	60.4	60.8	61.2
≥ 5000	22.2	31.1	38.8	46.8	54.7	55.9	58.7	60.4	60.4	62.1	62.8	62.8	63.1	63.1	63.5	63.9
≥ 4500	23.7	32.5	39.4	47.3	55.8	57.5	60.3	62.0	62.1	63.7	64.4	64.4	64.8	64.8	65.2	65.6
≥ 4000	23.9	34.1	41.1	49.1	57.8	59.5	62.5	64.2	64.3	66.0	66.7	66.7	67.0	67.0	67.4	67.9
≥ 3500	24.5	35.1	42.1	50.1	59.9	60.7	63.5	65.4	65.5	67.1	67.8	67.8	68.1	68.2	68.5	69.0
≥ 3000	25.4	35.5	43.2	52.1	61.3	62.9	65.8	67.7	67.7	69.4	70.1	70.1	70.4	70.5	70.9	71.3
≥ 2500	26.1	37.5	45.2	53.8	62.9	64.5	67.7	69.5	69.6	71.3	72.0	72.0	72.3	72.4	72.7	73.2
≥ 2000	26.5	38.5	46.2	55.0	64.7	65.9	69.0	70.9	71.3	72.7	73.5	73.5	73.8	73.8	74.2	74.6
≥ 1800	26.5	38.8	46.5	55.2	64.5	66.2	69.3	71.2	71.3	73.0	73.8	73.8	74.1	74.1	74.5	74.9
≥ 1500	27.0	39.2	47.0	55.9	65.3	67.1	70.3	72.3	72.4	74.2	74.9	74.9	75.2	75.2	75.6	76.1
≥ 1200	27.3	39.5	47.5	56.6	66.2	68.1	71.7	73.9	73.9	75.8	76.5	76.5	76.8	76.9	77.3	77.7
≥ 1000	27.4	39.7	47.8	57.1	66.8	68.9	72.7	75.1	75.2	77.2	78.0	78.0	78.3	78.4	78.8	79.2
≥ 900	27.4	39.7	48.1	57.3	67.1	69.2	73.3	75.9	76.0	78.2	79.1	79.1	79.5	79.5	79.9	80.4
≥ 800	27.4	39.8	48.3	57.4	67.3	69.5	73.8	76.4	76.5	78.7	79.6	79.6	80.1	80.1	80.5	81.0
≥ 700	27.4	39.8	48.1	57.7	67.8	70.0	74.8	77.7	77.9	80.3	81.5	81.5	81.9	81.9	82.3	82.8
≥ 600	27.5	39.9	48.2	57.9	68.1	70.5	75.6	78.5	79.1	81.7	83.0	83.0	83.4	83.5	83.8	84.3
≥ 500	27.5	39.9	48.2	58.1	68.4	70.8	76.3	79.9	80.2	83.1	84.8	84.8	85.1	85.2	85.6	86.0
≥ 400	27.5	39.9	48.3	58.2	68.6	71.1	76.3	80.8	81.1	84.3	86.5	86.5	86.9	86.9	87.3	87.8
≥ 300	27.5	39.9	48.3	58.3	68.8	71.2	77.4	81.7	82.0	85.6	88.4	88.4	89.0	89.1	89.5	90.1
≥ 200	27.5	39.9	48.3	58.3	68.8	71.2	77.5	81.9	82.2	86.1	89.3	89.3	90.4	90.5	91.4	92.6
≥ 100	27.5	39.9	48.3	58.3	68.8	71.2	77.5	81.9	82.2	86.1	89.3	89.3	90.7	90.8	92.3	96.5
≥ 0	27.5	39.9	48.3	58.3	68.8	71.2	77.5	81.9	82.2	86.1	89.3	89.3	90.7	90.8	92.3	96.5

TOTAL NUMBER OF OBSERVATIONS

5952

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14-5  
STATION

ESNO AIR TERMINAL CA  
STATION NAME

73-60  
YEAR

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-2200  
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	34.2	43.5	45.6	54.1	57.5	58.6	62.2	61.1	61.4	61.5	61.5	61.5	61.9	61.9	62.4	62.5
≥20000	14.1	45.4	51.3	51.3	61.0	61.1	62.8	63.9	64.2	64.5	64.5	64.5	64.7	64.7	65.2	65.3
≥18000	13.1	45.4	51.3	55.3	60.0	61.1	62.8	63.9	64.2	64.5	64.5	64.5	64.7	64.7	65.2	65.3
≥16000	14.1	45.4	51.3	55.3	60.0	61.1	62.8	63.9	64.2	64.5	64.5	64.5	64.7	64.7	65.2	65.3
≥14000	37.5	47.2	53.5	56.4	62.1	63.1	64.9	65.9	66.2	66.7	66.7	66.7	66.8	66.8	67.3	67.4
≥12000	3.6	48.8	55.2	60.2	64.2	65.2	67.7	68.0	68.3	68.7	68.7	68.7	68.9	68.9	69.3	69.5
≥10000	40.0	53.7	57.1	62.4	66.4	67.4	69.2	70.2	70.5	70.9	70.9	70.9	71.1	71.1	71.5	71.7
≥9000	41.0	51.5	56.1	63.4	67.6	68.5	70.5	71.4	71.7	72.1	72.1	72.1	72.3	72.3	72.7	72.9
≥8000	42.1	52.5	59.1	64.5	68.6	69.6	71.4	72.4	72.7	73.2	73.2	73.2	73.3	73.3	73.7	73.9
≥7000	4.4	55.8	62.5	67.7	71.5	72.9	74.5	75.7	75.0	76.4	76.4	76.4	76.5	76.5	77.1	77.2
≥6000	47.5	59.9	65.5	71.6	76.0	77.0	78.8	79.5	80.1	80.5	80.5	80.5	80.7	80.7	81.3	81.7
≥5000	45.3	61.8	65.6	73.7	78.0	79.1	80.5	81.9	82.2	82.6	82.6	82.6	82.7	82.7	83.3	83.5
≥4500	5.1	62.7	69.5	75.1	79.2	80.2	82.0	83.2	83.5	83.9	83.9	83.9	84.1	84.1	84.7	84.8
≥4000	1.3	64.6	71.5	77.1	81.3	82.3	84.1	85.3	85.5	86.0	86.0	86.0	86.1	86.1	86.7	86.9
≥3500	2.3	65.6	72.6	78.2	82.4	83.5	85.3	86.4	86.7	87.2	87.2	87.2	87.3	87.3	87.9	88.1
≥3000	3.1	66.1	75.4	81.1	85.4	86.4	88.2	89.4	89.7	90.1	90.1	90.1	90.3	90.3	90.9	91.0
≥2500	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥2000	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥1800	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥1500	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥1200	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥1000	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥900	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥800	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥700	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥600	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥500	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥400	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥300	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥200	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥100	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5
≥0	3.4	68.6	75.8	81.7	86.0	87.5	88.8	90.0	90.3	90.7	90.7	90.7	90.9	90.9	91.4	91.5

TOTAL NUMBER OF OBSERVATIONS 572

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SIGNAL CLIMATOLOGY BRANCH  
METEOROLOGICAL  
AND WEATHER SERVICE /MAC

## CEILING VERSUS VISIBILITY

STATION

ESNO AIR TERMINAL CA

73-80

YEARS

PER MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	37.5 40.1	36.0 40.1	41.7 40.4	47.2 50.9	47.7 54.1	50.3 54.7	51.6 56.5	52.5 57.4	52.5 57.4	52.9 57.6	53.1 58.0	53.1 58.0	53.2 58.0	53.2 58.1	53.7 58.1	53.8 58.7
≥ 18000 ≥ 16000	32.7 32.7	40.6 40.6	45.9 45.9	51.3 51.3	54.6 54.6	55.2 55.2	56.9 56.9	57.8 57.8	57.8 57.8	58.3 58.3	58.4 58.4	58.4 58.4	58.4 58.4	58.6 58.6	59.0 59.0	59.1 59.1
≥ 14000 ≥ 12000	23.1 23.1	41.9 43.8	47.6 49.7	53.1 55.3	58.3 59.7	56.9 59.3	58.7 61.1	59.6 61.9	59.6 61.9	60.0 62.4	60.2 62.5	60.2 62.5	60.2 62.5	60.3 62.7	60.8 63.1	60.9 63.3
≥ 10000 ≥ 9000	17.1 17.1	46.2 47.2	52.1 53.1	57.7 58.8	61.1 62.2	61.7 62.8	63.4 64.6	64.3 65.5	64.3 65.5	64.7 65.9	64.9 66.1	64.9 66.1	65.0 66.2	65.0 66.2	65.5 66.7	65.6 66.8
≥ 8000 ≥ 7000	5.2 1.2	43.1 50.4	54.0 57.4	60.0 63.6	63.4 67.0	64.0 67.6	65.8 69.3	66.7 70.2	66.7 70.2	67.1 70.6	67.3 70.8	67.3 70.8	67.4 70.9	67.4 70.9	67.8 71.4	68.0 71.5
≥ 6000 ≥ 5000	46.9 46.9	54.7 57.7	61.2 64.5	67.4 71.6	70.8 74.0	71.4 74.6	73.2 76.4	74.0 77.3	74.0 77.3	74.5 77.7	74.6 77.9	74.6 77.9	74.6 77.9	74.6 78.0	75.2 78.5	75.4 78.6
≥ 4500 ≥ 4000	46.4 46.4	59.4 61.7	66.4 69.3	72.7 75.8	76.1 79.2	76.7 79.8	78.5 81.6	79.4 82.4	79.4 82.4	79.8 83.1	79.9 83.2	79.9 83.2	80.1 83.2	80.1 83.3	80.5 83.8	80.7 83.9
≥ 3500 ≥ 3000	49.9 49.9	62.1 63.3	69.9 71.2	76.4 75.7	79.8 81.6	80.1 82.2	82.2 83.9	83.0 84.8	83.0 84.8	83.6 85.4	83.8 85.3	83.8 85.3	83.9 85.7	83.9 85.7	84.4 86.1	84.5 86.3
≥ 2500 ≥ 2000	50.1 1.2	64.0 64.5	72.0 72.9	78.9 80.2	82.4 83.8	83.0 84.4	84.8 86.3	85.7 87.2	85.7 87.2	86.3 87.6	86.4 87.9	86.4 87.9	86.6 88.1	86.6 88.1	87.0 88.5	87.2 88.6
≥ 1800 ≥ 1500	1.2 1.2	64.5 64.5	72.9 72.9	80.4 81.4	83.9 83.9	84.5 84.5	86.4 86.4	87.3 87.3	87.3 87.3	87.9 87.9	88.1 88.1	88.1 88.1	88.2 88.2	88.2 88.2	88.6 88.6	88.8 88.8
≥ 1200 ≥ 1000	1.2 1.3	64.6 64.7	73.0 73.2	81.1 81.3	84.7 84.8	85.3 85.4	87.2 87.3	88.1 88.2	88.1 88.2	88.8 88.9	88.9 89.1	88.9 89.4	89.1 89.4	89.1 89.5	89.5 90.0	89.7 90.1
≥ 900 ≥ 800	1.3 1.3	64.9 64.9	73.3 73.3	81.4 81.4	85.0 85.1	85.5 85.7	87.5 87.6	88.3 88.5	88.3 88.5	89.2 89.5	89.7 90.0	89.7 90.0	89.8 90.1	89.8 90.1	90.3 90.6	90.4 90.7
≥ 700 ≥ 600	1.3 1.3	64.9 64.9	73.3 73.3	81.6 81.6	85.5 85.5	86.1 86.1	88.1 88.1	89.1 89.1	89.1 89.1	90.0 90.1	90.6 90.6	90.6 90.6	90.7 90.7	90.7 90.7	91.2 91.2	91.3 91.3
≥ 500 ≥ 400	1.3 1.3	64.9 64.9	73.3 73.3	81.6 81.7	86.0 86.1	86.6 86.7	88.9 89.1	90.0 90.1	90.0 90.1	91.2 91.4	91.6 91.9	91.6 92.5	91.7 92.5	91.7 92.6	92.2 92.6	92.3 92.6
≥ 300 ≥ 200	1.3 1.3	64.9 64.9	73.3 73.3	81.7 81.7	86.1 86.1	86.7 86.7	89.1 89.1	90.3 90.3	90.3 90.4	91.6 91.7	92.5 92.6	92.5 92.6	92.6 92.6	92.6 92.9	93.1 94.0	93.2 94.1
≥ 100 0	1.3 1.4	65.0 65.0	73.5 73.5	81.9 81.9	86.3 86.3	86.9 86.9	89.2 89.2	90.4 90.4	90.6 90.6	91.9 91.9	92.8 92.8	92.8 92.8	93.4 93.4	93.4 93.5	95.3 95.4	97.5 98.0

TOTAL NUMBER OF OBSERVATIONS 678

SIGNAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

4 196  
STATION

WESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

FEF  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2600-2800  
HOURS - 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	22.7	29.2	33.2	36.7	38.8	39.4	41.7	43.2	43.2	44.0	44.4	44.4	44.6	44.8	45.1	45.6
≥ 20000	25.3	32.4	36.6	41.7	43.1	43.7	46.5	48.2	48.2	49.1	49.9	49.9	50.4	51.4	51.7	51.2
≥ 18000	21.5	33.2	37.3	41.4	43.8	44.4	47.2	49.0	49.0	49.9	50.6	50.6	51.2	51.2	51.5	51.9
IV 16000	25.7	33.3	37.5	41.6	44.0	44.5	47.3	49.1	49.1	50.0	50.7	50.7	51.3	51.3	1.6	52.1
≥ 14000	27.7	34.8	38.9	43.1	45.4	46.0	49.0	50.7	50.9	51.3	52.5	52.5	53.1	53.1	53.4	53.8
IV 12000	29.5	36.0	41.1	45.1	47.8	48.4	51.3	53.1	53.2	54.1	54.9	54.9	55.5	55.5	55.8	56.2
≥ 10000	30.7	33.1	42.2	46.3	47.3	49.9	52.8	54.6	54.7	55.6	56.3	56.3	56.9	56.9	57.2	57.7
IV 9000	31.9	39.6	44.0	48.2	51.2	51.6	54.7	56.5	56.6	57.5	58.3	58.3	58.9	58.9	59.1	59.6
≥ 8000	23.3	41.4	45.6	50.0	52.9	53.5	56.5	58.3	58.4	59.3	60.0	60.0	60.6	60.6	60.9	61.4
IV 7000	35.7	44.8	49.1	53.7	56.6	57.2	60.2	61.9	62.1	63.7	63.7	63.7	64.3	64.3	64.6	65.7
≥ 6000	39.4	47.7	52.7	57.4	60.6	61.4	64.3	66.1	66.2	67.3	68.0	68.0	68.6	68.6	68.9	69.3
IV 5000	42.2	51.9	55.6	60.3	63.6	64.5	67.8	69.6	69.6	70.8	71.5	71.5	72.1	72.1	72.4	72.9
≥ 4500	43.7	52.1	57.1	61.9	65.2	66.1	69.8	71.5	71.7	72.7	73.5	73.5	74.0	74.0	74.3	74.8
IV 4000	45.7	55.7	61.5	65.3	68.7	69.6	73.3	75.1	75.2	76.5	77.3	77.3	77.9	77.9	78.2	78.6
≥ 3500	46.5	55.8	61.2	66.1	69.5	70.4	74.0	75.8	76.0	77.3	78.0	78.0	78.6	78.6	78.9	79.4
IV 3000	47.2	56.6	62.2	67.4	71.1	72.0	75.8	77.6	77.7	79.4	80.1	80.1	80.7	80.7	81.0	81.4
≥ 2500	47.9	56.0	63.9	69.3	73.0	73.9	77.9	79.6	79.8	81.4	82.3	82.3	82.9	82.9	83.2	83.6
IV 2000	48.4	56.4	64.6	70.2	73.9	74.8	78.9	81.7	81.1	82.9	84.1	84.1	84.7	84.7	85.1	85.5
≥ 1800	48.4	56.4	64.6	70.2	73.9	74.8	78.9	81.7	81.6	83.3	84.5	84.5	85.1	85.1	85.5	86.0
IV 1500	48.4	56.4	64.6	70.4	74.0	74.9	79.4	81.7	81.9	83.8	85.7	85.0	85.5	85.5	86.0	86.4
≥ 1200	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
IV 1000	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
≥ 900	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
IV 800	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
≥ 700	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
IV 600	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
≥ 500	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
IV 400	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
≥ 300	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
IV 200	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
≥ 100	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3
IV 0	48.4	56.4	64.6	70.5	74.3	75.2	80.1	82.6	82.7	84.7	85.8	85.8	86.4	86.4	86.9	87.3

TOTAL NUMBER OF OBSERVATIONS 675

USAF ETAC FORM 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

REGIONAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

4 194  
STATION

FAESNO AIR TERMINAL CA  
STATION NAME

73-87  
YEARS

FE9  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	>3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING N 20000	27.2	37.2	33.4	36.7	39.8	41.3	42.2	43.5	43.7	44.1	44.7	44.7	44.7	44.7	44.7	44.8
IV 18000	21.1	33.9	32.1	41.6	45.0	46.0	47.8	49.3	49.4	50.1	51.2	51.2	51.5	51.5	51.6	51.6
IV 16000	21.7	34.5	34.6	41.6	45.0	46.6	48.4	49.9	50.0	50.7	51.8	51.8	52.1	52.1	52.2	52.2
IV 14000	27.1	35.1	39.1	42.0	45.4	47.1	48.8	50.3	50.4	51.2	52.2	52.2	52.5	52.5	52.7	52.7
IV 12000	27.9	37.6	41.7	44.7	48.1	49.7	51.5	52.9	53.1	53.8	55.0	55.0	55.3	55.3	55.5	55.5
IV 10000	31.3	40.1	44.4	47.6	51.3	52.9	54.7	56.2	56.3	57.1	58.3	58.3	58.6	58.6	58.7	58.7
IV 9000	33.1	41.7	46.2	49.4	53.1	54.7	56.5	58.0	58.1	58.8	60.0	60.0	60.3	60.3	60.5	60.5
IV 8000	33.2	42.2	46.5	49.7	53.4	55.0	56.8	58.3	58.4	59.1	60.3	60.3	60.6	60.6	60.8	60.8
IV 7000	33.3	43.1	47.3	50.6	54.3	55.9	57.7	59.1	59.3	60.0	61.2	61.2	61.5	61.5	61.7	61.7
IV 6000	36.3	45.7	50.0	53.4	57.1	58.8	60.6	62.1	62.2	63.0	64.2	64.2	64.5	64.5	64.6	64.6
IV 5000	37.3	47.2	51.9	55.5	59.4	61.2	63.0	64.5	64.6	65.3	66.5	66.5	66.8	66.8	67.0	67.0
IV 4500	40.1	50.1	55.2	58.8	63.4	65.2	67.4	68.9	69.5	69.8	70.9	70.9	71.2	71.2	71.4	71.4
IV 4000	41.7	52.4	58.1	61.8	66.7	68.6	70.9	72.4	72.6	73.3	74.5	74.5	74.8	74.8	74.9	74.9
IV 3500	42.7	53.4	59.1	63.1	68.1	70.1	72.6	74.2	74.3	75.2	76.4	76.4	76.7	76.7	76.8	76.8
IV 3000	43.5	54.1	60.0	64.0	69.0	70.9	73.9	75.5	75.7	76.5	77.7	77.7	78.0	78.0	78.2	78.2
IV 2500	44.2	55.3	61.3	65.2	70.5	72.4	75.4	77.0	77.1	78.2	79.4	79.4	79.6	79.6	79.8	79.8
IV 2000	45.0	56.2	62.4	66.5	72.4	74.3	77.7	79.8	79.9	81.1	82.3	82.3	82.6	82.6	82.7	82.7
IV 1800	46.0	57.8	64.2	68.3	74.2	76.4	79.9	82.0	82.2	83.3	84.5	84.5	84.8	84.8	85.0	85.0
IV 1500	46.2	58.0	64.3	68.4	74.3	76.7	80.2	82.3	82.4	83.6	85.0	85.0	85.3	85.3	85.4	85.4
IV 1200	46.3	58.1	64.5	68.7	74.8	77.1	80.7	82.9	83.0	84.4	85.8	85.8	86.1	86.1	86.3	86.3
IV 1000	46.6	58.4	64.7	69.3	75.4	77.9	81.6	84.4	84.5	85.8	87.3	87.3	87.6	87.6	87.8	87.8
IV 900	46.6	58.7	65.2	69.9	76.0	78.5	82.3	85.4	85.5	86.9	88.3	88.3	88.6	88.6	88.8	88.8
IV 800	46.6	58.8	65.6	70.4	76.4	78.9	82.7	86.1	86.3	87.6	89.2	89.2	89.5	89.5	89.7	89.7
IV 700	46.6	58.8	65.6	70.5	76.7	79.2	83.2	86.6	86.7	88.2	89.8	89.8	90.1	90.1	90.3	90.3
IV 600	46.6	59.1	65.9	71.1	77.3	79.9	83.9	87.5	87.6	89.1	90.7	90.7	91.0	91.0	91.2	91.2
IV 500	46.6	59.1	65.9	71.2	77.6	80.2	84.2	87.9	88.1	89.8	91.6	91.6	91.9	91.9	92.0	92.0
IV 400	46.6	59.1	65.9	71.2	77.6	80.5	84.5	88.3	88.5	90.4	92.5	92.5	92.8	92.8	92.9	92.9
IV 300	46.6	59.1	65.9	71.2	77.6	80.5	84.7	88.5	88.6	91.0	93.4	93.4	94.5	94.5	94.8	94.8
IV 200	46.6	59.1	65.9	71.2	77.6	80.5	84.7	88.5	88.6	91.0	93.4	93.4	95.0	95.0	96.0	96.0
IV 100	46.6	59.1	65.9	71.2	77.6	80.5	84.7	88.5	88.6	91.0	93.4	93.4	95.0	95.0	96.2	96.7
IV 0	46.6	59.1	65.9	71.2	77.6	80.5	84.7	88.5	88.6	91.0	93.4	93.4	95.0	95.0	96.2	97.0

TOTAL NUMBER OF OBSERVATIONS 675

CLIMATE CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 193 ESNO AIR TERMINAL CA

73-80

FEB

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥0
NO CEILING	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 20000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 18000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 16000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 14000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 12000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 10000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 9000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 8000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 7000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 6000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 5000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 4500	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 4000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 3500	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 3000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 2500	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 2000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 1800	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 1500	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 1200	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 1000	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 900	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 800	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 700	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 600	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 500	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 400	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 300	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 200	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 100	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0
≥ 0	32.7	32.7	37.3	41.0	43.4	46.3	47.5	48.8	48.8	49.9	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS 678

JOINT CLIMATOLOGY BRANCH  
USAF ETAC  
AIR FATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 153 HESNO AIR TERMINAL CA STATION NAME 73-80 YEARS FEB MONTH 1530-1700 HOURS U.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	35.7	41.0	44.2	46.8	51.0	53.8	53.8	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	35.7	47.1	51.6	53.1	59.0	61.1	62.1	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 18000	36.4	47.8	51.3	53.6	59.7	61.6	62.9	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	36.4	48.2	51.9	54.4	59.3	62.4	63.4	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	37.1	50.7	54.4	56.9	61.8	65.0	66.2	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	41.2	53.4	57.4	59.9	64.7	68.4	69.6	70.4	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 10000	43.2	55.6	57.7	62.2	67.1	70.8	72.0	73.2	73.3	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 9000	44.2	56.6	67.5	63.3	69.3	72.0	73.2	74.3	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 8000	44.1	57.7	61.8	64.3	69.3	73.0	74.3	75.5	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000	45.5	61.5	65.5	68.3	73.5	77.1	78.8	79.9	80.1	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000	45.5	63.7	67.8	70.5	75.7	79.4	81.0	82.2	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	43.7	67.3	71.5	74.2	79.4	83.0	85.0	86.1	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500	54.9	68.6	72.9	75.7	80.8	84.5	86.4	87.6	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 4000	55.2	70.2	75.1	78.2	83.3	87.0	89.9	90.3	90.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	57.1	71.4	76.4	79.5	84.7	88.3	91.4	91.7	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	57.3	72.9	79.2	81.8	86.9	90.6	92.8	94.1	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2500	59.3	73.6	79.1	82.4	87.8	91.6	94.0	95.3	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	59.7	73.9	79.4	82.7	88.5	92.3	94.7	96.0	96.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	59.1	74.0	79.5	83.0	89.0	92.6	95.0	96.3	96.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	59.3	74.2	79.9	83.2	89.1	92.9	95.4	96.8	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	59.1	74.2	79.9	83.5	89.2	93.2	96.2	97.5	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	59.1	74.2	80.1	83.6	89.4	93.4	96.3	97.6	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	59.1	74.3	80.2	83.8	89.5	93.5	96.5	97.8	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 678

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



ORIGINAL CLIMATOLOGY BRANCH  
OFFICE  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

STATION  
123

STATION NAME  
ESNO AIR TERMINAL CA

YEARS  
73-80

MONTHS

MONTH  
FEB

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000  
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	73.5	44.8	43.5	51.4	57.8	53.4	59.0	59.4	59.4	59.4	59.4	59.5	59.5	59.6	59.6	59.6
≥ 20000	36.4	48.4	52.1	57.4	62.4	63.0	64.2	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0
≥ 18000	77.2	49.1	52.8	58.1	63.1	63.7	64.9	65.6	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8
≥ 16000	77.8	49.7	53.4	58.7	63.7	64.3	65.5	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4
≥ 14000	45.3	52.4	56.1	61.5	66.8	67.4	68.6	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5
≥ 12000	2.0	54.1	58.1	63.7	69.0	69.6	70.8	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	45.3	57.7	61.8	67.4	72.7	73.3	74.5	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	47.1	59.4	63.7	69.5	74.9	75.5	76.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9
≥ 8000	47.8	60.2	64.5	70.2	75.7	76.3	77.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8
≥ 7000	50.4	63.6	67.8	73.6	79.1	79.6	81.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000	12.1	65.8	71.1	75.8	81.4	82.0	83.5	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7
≥ 5000	23.3	66.1	72.4	78.3	84.2	84.8	86.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4500	35.2	69.8	74.3	80.2	86.3	86.9	88.3	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4000	56.5	72.3	76.8	82.9	89.1	89.7	91.2	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3500	56.5	72.3	77.3	83.3	89.7	90.3	91.7	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3000	57.1	73.2	78.5	84.7	91.0	91.6	93.1	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	57.7	73.9	79.5	85.8	92.5	93.2	94.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	58.3	74.2	79.9	86.4	93.4	94.0	95.4	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	59.0	74.2	80.2	86.7	93.7	94.2	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	59.0	74.2	80.2	86.7	93.8	94.4	95.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	59.1	74.3	80.4	87.3	94.4	95.0	96.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	59.1	74.3	80.4	87.3	94.4	95.1	97.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	59.1	74.3	80.4	87.3	94.4	95.1	97.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	59.1	74.3	80.4	87.3	94.4	95.1	97.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	59.1	74.3	80.4	87.3	94.4	95.1	97.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	59.1	74.3	80.4	87.3	94.4	95.1	97.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	59.3	74.5	80.5	87.5	94.5	95.3	97.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	59.3	74.5	80.5	87.5	94.5	95.3	97.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	59.3	74.5	80.5	87.5	94.5	95.3	97.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	59.3	74.5	80.5	87.5	94.5	95.3	97.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	59.3	74.5	80.5	87.5	94.5	95.3	97.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	59.3	74.5	80.5	87.5	94.5	95.3	97.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 676

OFFICIAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1952  
STATION

SSNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

FFS  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 20000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 18000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 16000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 14000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 12000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 10000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 9000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 8000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 7000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 6000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 5000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 4500	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 4000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 3500	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 3000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 2500	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 2000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 1800	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 1500	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 1200	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 1000	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 900	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 800	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 700	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 600	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 500	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 400	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 300	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 200	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 100	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 0	35.0	44.8	52.4	57.2	61.4	61.4	62.4	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.1	63.1

TOTAL NUMBER OF OBSERVATIONS 576

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE BRANCH  
AFETAC  
METEOROLOGICAL SERVICE/MAC

## CEILING VERSUS VISIBILITY

195 STATION 1-ESNO AIR TERMINAL CA

73-80

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS 131

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	29.9	37.9	42.6	46.6	49.9	51.2	52.3	53.2	53.3	53.7	53.9	53.9	54.0	54.0	54.2	54.3
≥ 20000	1.7	41.2	46.2	50.4	54.1	55.4	57.0	59.1	59.2	59.7	59.9	59.9	59.9	59.9	59.9	59.9
IV 18000	12.3	41.3	46.3	51.0	54.7	56.1	57.7	58.8	58.8	59.4	59.6	59.6	59.8	59.8	60.0	60.1
IV 16000	12.5	42.1	47.1	51.3	55.0	56.3	57.9	59.1	59.1	59.6	59.9	59.9	60.1	60.1	60.3	60.4
IV 14000	34.3	44.1	49.2	53.5	57.2	58.6	60.3	61.4	61.5	62.0	62.3	62.3	62.5	62.5	62.7	62.8
IV 12000	14.1	46.2	51.4	55.8	59.7	61.1	62.8	63.9	64.0	64.5	64.8	64.8	65.0	65.0	65.2	65.3
IV 10000	37.8	46.4	53.7	58.1	62.0	63.5	65.1	66.3	66.4	67.0	67.3	67.3	67.5	67.5	67.6	67.7
IV 9000	31.8	49.6	54.9	59.4	63.4	64.8	66.4	67.7	67.8	68.3	68.6	68.6	68.8	68.8	69.0	69.1
IV 8000	39.8	50.6	56.3	61.5	64.5	65.9	67.6	68.8	68.9	69.5	69.8	69.8	70.0	70.0	70.2	70.2
IV 7000	42.4	53.6	59.0	63.7	67.7	69.2	70.9	72.1	72.2	72.8	73.1	73.1	73.3	73.3	73.5	73.6
IV 6000	44.6	56.2	61.8	66.5	70.7	72.2	73.9	75.1	75.3	75.9	76.2	76.2	76.3	76.3	76.6	76.7
IV 5000	46.4	58.7	64.5	69.2	73.5	75.0	76.7	78.0	78.3	78.9	79.2	79.2	79.4	79.4	79.6	79.7
IV 4500	48.7	60.4	66.4	71.3	75.6	77.2	79.1	80.4	80.5	81.1	81.4	81.4	81.6	81.6	81.8	81.9
IV 4000	49.2	62.4	68.9	73.9	78.4	79.9	81.9	83.2	83.4	84.1	84.3	84.3	84.5	84.5	84.7	84.8
IV 3500	57.4	63.3	69.8	74.8	79.4	80.9	83.0	84.4	84.5	85.2	85.5	85.5	85.6	85.6	85.9	86.0
IV 3000	1.2	64.7	71.4	76.6	81.3	82.8	85.0	86.4	86.5	87.2	87.5	87.5	87.7	87.7	87.9	88.0
IV 2500	2.7	65.8	72.7	78.1	82.9	84.5	86.8	88.2	88.3	89.1	89.4	89.4	89.6	89.6	89.8	89.9
IV 2000	2.4	66.4	73.6	79.1	84.0	85.6	88.0	89.5	89.6	90.4	90.7	90.7	90.9	90.9	91.2	91.2
IV 1800	12.5	66.5	73.5	79.3	84.3	85.9	88.4	89.9	90.0	90.8	91.2	91.2	91.3	91.3	91.6	91.6
IV 1500	2.6	66.7	74.2	79.7	84.7	86.3	88.9	90.4	90.5	91.3	91.7	91.7	91.9	91.9	92.1	92.2
IV 1200	52.7	66.8	74.2	80.1	85.2	86.9	89.6	91.3	91.4	92.3	92.7	92.7	92.8	92.8	93.1	93.2
IV 1000	52.7	66.9	74.3	80.3	85.4	87.1	90.0	91.7	91.4	92.7	93.2	93.2	93.3	93.3	93.6	93.7
IV 900	52.7	67.0	74.4	80.4	85.5	87.3	90.2	91.9	92.1	93.0	93.5	93.5	93.6	93.6	93.9	94.0
IV 800	52.7	67.1	74.4	80.5	85.6	87.4	90.3	92.1	92.2	93.2	93.7	93.7	93.9	93.9	94.1	94.2
IV 700	52.7	67.1	74.5	80.6	85.8	87.6	90.5	92.4	92.5	93.6	94.0	94.0	94.2	94.2	94.5	94.5
IV 600	52.7	67.1	74.6	80.7	86.0	87.7	90.7	92.6	92.7	93.8	94.3	94.3	94.5	94.5	94.7	94.8
IV 500	52.7	67.1	74.6	80.7	86.1	87.8	90.9	92.9	93.0	94.2	94.9	94.9	95.1	95.1	95.4	95.4
IV 400	52.7	67.1	74.6	80.8	86.2	87.9	91.0	93.0	93.2	94.5	95.3	95.3	95.6	95.6	95.8	95.9
IV 300	52.7	67.1	74.6	80.8	86.2	88.0	91.1	93.2	93.3	94.7	95.6	95.6	96.1	96.1	96.4	96.5
IV 200	52.7	67.1	74.6	80.8	86.2	88.0	91.1	93.2	93.3	94.7	95.7	95.7	96.3	96.3	97.0	97.3
IV 100	52.7	67.1	74.6	80.8	86.2	88.0	91.1	93.2	93.4	94.8	95.7	95.7	96.4	96.5	97.4	98.7
IV 0	52.7	67.1	74.6	80.8	86.2	88.0	91.1	93.2	93.4	94.8	95.7	95.7	96.4	96.5	97.5	98.0

TOTAL NUMBER OF OBSERVATIONS 5424

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF ATAF EN SER/10/1/MAC

## CEILING VERSUS VISIBILITY

193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

449  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0.01
NO CEILING	1.6	57.3	59.3	61.0	61.0	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥20000	4.3	5.1	62.6	64.4	64.9	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
18000	4.4	60.2	62.3	64.5	65.1	65.1	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
16000	4.6	60.3	63.7	64.8	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
14000	4.6	60.8	63.9	65.2	65.9	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
12000	4.5	62.0	65.5	67.2	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
10000	57.7	64.9	67.9	69.8	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
9000	58.3	66.0	69.1	71.1	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
8000	58.9	66.7	69.8	71.8	72.3	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
7000	52.1	73.4	73.7	75.8	75.3	75.3	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
6000	54.5	73.8	77.2	79.4	80.0	80.0	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
5000	66.5	76.6	80.2	82.5	83.1	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
4500	59.1	79.8	83.9	86.3	86.8	86.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
4000	71.5	83.3	87.6	90.1	90.6	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
3500	72.5	85.2	89.8	92.2	92.9	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
3000	73.9	87.2	91.9	94.4	95.0	95.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2500	74.5	88.2	92.9	95.4	96.1	96.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2000	74.9	88.3	93.1	95.7	96.4	96.4	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
1800	75.3	88.4	93.3	95.8	96.5	96.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1500	75.3	88.7	93.7	96.2	96.9	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1200	75.4	89.1	94.1	96.6	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	75.5	89.1	94.2	96.9	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
900	75.5	89.1	94.2	96.9	97.7	97.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
800	75.7	89.2	94.4	97.1	97.8	97.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
700	75.8	89.4	94.5	97.2	98.0	98.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
600	75.8	89.4	94.5	97.2	98.0	98.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
500	75.8	89.4	94.5	97.2	98.0	98.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
400	75.9	89.5	94.6	97.3	98.1	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	75.9	89.5	94.6	97.3	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
200	75.9	89.5	94.6	97.3	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
100	75.9	89.5	94.6	97.3	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	75.9	89.5	94.6	97.3	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
OFFICE  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

STATION  
4193

STATION NAME  
FESNO AIR TERMINAL 66

YEARS  
75-80

MONTH  
NAD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

C300-C500  
WS04-151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	44.1	47.5	51.6	54.3	55.0	55.0	55.9	56.3	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 20000	45.7	53.5	56.7	58.7	59.4	59.4	60.3	60.8	60.8	61.0	61.0	61.0	61.2	61.2	61.2	61.3
≥ 18000	45.4	53.9	56.5	59.1	59.8	59.8	60.8	61.2	61.2	61.4	61.4	61.4	61.6	61.6	61.6	61.7
≥ 16000	45.4	53.9	56.5	59.1	59.8	59.8	60.8	61.2	61.2	61.4	61.4	61.4	61.6	61.6	61.6	61.7
≥ 14000	45.3	55.4	57.8	61.6	61.3	61.3	62.4	62.8	62.8	63.0	63.0	63.0	63.2	63.2	63.2	63.3
≥ 12000	52.1	57.4	57.9	62.6	63.3	63.3	64.4	64.8	64.8	65.1	65.1	65.1	65.2	65.2	65.2	65.3
≥ 10000	52.1	59.5	62.4	65.2	65.9	65.9	66.9	67.3	67.3	67.6	67.6	67.6	67.7	67.7	67.7	67.9
≥ 9000	53.4	60.2	63.2	66.0	66.7	66.7	67.7	68.1	68.1	68.4	68.4	68.4	68.5	68.5	68.5	68.7
≥ 8000	54.2	61.2	64.1	67.1	67.7	67.7	68.8	69.2	69.2	69.5	69.5	69.5	69.6	69.6	69.6	69.8
≥ 7000	55.7	65.0	69.4	72.3	73.0	73.0	74.1	74.5	74.5	74.7	74.7	74.7	74.9	74.9	74.9	75.0
≥ 6000	1.3	59.8	73.4	76.3	77.2	77.2	78.2	78.6	78.6	78.9	78.9	78.9	79.0	79.0	79.0	79.2
≥ 5000	3.5	72.2	76.1	79.4	8.2	80.2	81.3	81.7	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.3
≥ 4500	64.4	74.3	78.2	81.6	82.4	82.4	83.5	83.9	83.9	84.1	84.1	84.1	84.3	84.3	84.3	84.4
≥ 4000	62.1	77.8	82.1	85.8	86.7	86.7	87.8	88.2	88.2	88.4	88.4	88.4	88.6	88.6	88.6	88.7
≥ 3500	69.4	79.8	84.1	87.9	88.8	88.8	89.9	90.3	90.3	90.6	90.6	90.6	90.7	90.7	90.7	90.9
≥ 3000	70.4	81.2	86.4	91.2	91.1	91.1	92.2	92.6	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.1
≥ 2500	71.2	82.8	88.3	91.9	92.9	92.9	94.1	94.6	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.2
≥ 2000	71.6	83.1	88.3	92.3	93.3	93.3	94.5	95.0	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.6
≥ 1800	71.6	83.5	88.7	92.7	93.8	93.8	95.0	95.6	95.6	95.8	95.8	95.8	96.1	96.0	96.0	96.1
≥ 1500	71.9	83.5	88.7	92.9	94.0	94.0	95.2	95.7	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.2
≥ 1200	71.9	83.7	89.0	93.0	94.1	94.1	95.3	95.8	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.4
≥ 1000	71.9	83.7	89.1	93.1	94.2	94.2	95.4	96.0	96.0	96.2	96.2	96.2	96.4	96.4	96.4	96.5
≥ 900	71.9	83.7	89.2	93.3	94.4	94.4	95.6	96.2	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.8
≥ 800	71.9	83.7	89.4	93.4	94.5	94.5	95.7	96.4	96.4	96.6	96.6	96.6	96.8	96.8	96.8	96.9
≥ 700	71.9	83.7	89.4	93.4	94.5	94.5	95.7	96.4	96.4	96.6	96.6	96.6	96.8	96.8	96.8	96.9
≥ 600	72.3	83.9	89.5	93.5	94.6	94.6	95.8	96.5	96.5	96.8	96.8	96.8	96.9	96.9	96.9	97.0
≥ 500	72.3	83.9	89.5	93.5	94.6	94.6	95.8	96.5	96.5	96.8	96.8	96.8	96.9	96.9	96.9	97.0
≥ 400	72.4	84.3	89.9	94.0	95.0	95.0	96.2	97.2	97.2	97.4	97.4	97.4	97.6	97.6	97.6	97.7
≥ 300	72.4	84.3	89.9	94.0	95.0	95.0	96.4	97.3	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.8
≥ 200	72.4	84.3	89.9	94.0	95.0	95.0	96.4	97.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.1
≥ 100	72.4	84.3	89.9	94.0	95.0	95.0	96.4	97.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.6
≥ 0	72.4	84.3	89.9	94.0	95.0	95.0	96.4	97.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
JANUARY  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

STATION

ESNO AIR TERMINAL CA

73-87

YEARS

HAZ  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6000-6800  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	41.7	43.2	45.5	46.9	50.9	51.3	52.6	52.9	52.9	53.0	53.3	53.3	53.6	53.6	53.7	53.9
≥ 20000	41.7	45.2	45.7	51.3	55.5	55.9	57.2	57.5	57.5	57.6	57.9	57.9	58.1	58.1	58.3	58.5
IV 18000	42.7	46.4	49.7	53.3	55.9	56.3	57.6	57.9	57.9	58.0	58.3	58.3	58.5	58.5	58.7	59.0
IV 16000	42.5	47.7	49.5	53.8	56.4	56.8	58.1	58.4	58.4	58.5	58.8	58.8	59.1	59.1	59.2	59.5
IV 14000	43.7	48.6	51.1	55.5	58.0	58.4	60.2	60.4	60.4	60.6	60.6	60.8	61.1	61.1	61.2	61.5
IV 12000	45.3	50.9	53.6	58.0	60.6	61.0	62.7	63.0	63.0	63.1	63.4	63.4	63.7	63.7	63.8	64.1
IV 10000	48.0	52.2	56.4	60.8	63.4	63.8	65.5	65.8	65.8	65.9	66.2	66.2	66.5	66.5	66.6	66.9
IV 9000	49.5	54.6	58.3	62.9	65.4	65.8	67.6	67.8	67.8	68.0	68.2	68.2	68.5	68.5	68.6	68.9
IV 8000	50.1	55.3	59.1	63.7	66.2	66.8	68.5	68.8	68.8	68.9	69.2	69.2	69.4	69.4	69.6	69.9
IV 7000	52.3	57.9	62.0	66.2	69.4	70.0	71.7	72.0	72.0	72.1	72.4	72.4	72.7	72.7	72.8	73.1
IV 6000	53.1	59.1	63.5	68.5	71.2	71.9	73.6	73.9	73.9	74.0	74.3	74.3	74.6	74.6	74.7	75.0
IV 5000	55.5	61.9	65.4	71.2	74.0	74.7	76.4	76.7	76.7	76.9	77.1	77.1	77.4	77.4	77.5	77.8
IV 4500	57.2	64.2	68.6	73.8	76.6	77.4	79.1	79.7	79.7	79.8	80.2	80.2	80.5	80.5	80.6	80.9
IV 4000	59.9	67.7	72.4	77.5	80.3	81.3	83.0	83.6	83.6	83.7	84.4	84.4	84.7	84.7	84.8	85.1
IV 3500	60.5	68.8	73.0	79.0	82.2	83.2	84.9	85.5	85.5	85.9	86.4	86.4	86.7	86.7	86.8	87.1
IV 3000	61.8	71.3	76.7	82.5	86.3	87.1	89.0	89.5	89.5	89.9	90.4	90.4	90.7	90.7	90.8	91.1
IV 2500	62.2	71.7	77.3	83.0	86.7	87.9	89.8	90.3	90.3	90.7	91.3	91.3	91.5	91.5	91.7	91.9
IV 2000	62.4	72.1	77.8	83.6	87.2	88.4	90.4	91.0	91.0	91.4	91.9	91.9	92.2	92.2	92.3	92.6
IV 1800	62.5	72.4	78.1	83.8	87.5	88.7	90.7	91.3	91.3	91.7	92.2	92.2	92.5	92.5	92.6	92.9
IV 1500	62.5	72.5	78.3	84.1	87.8	89.3	91.0	91.5	91.5	91.9	92.5	92.5	92.7	92.7	92.9	93.1
IV 1200	62.7	73.1	78.9	84.7	88.6	89.8	91.8	92.3	92.3	92.7	93.3	93.3	93.5	93.5	93.7	93.9
IV 1000	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 900	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 800	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 700	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 600	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 500	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 400	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 300	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 200	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 100	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2
IV 0	62.7	73.2	79.1	84.8	88.7	89.9	92.1	92.6	92.6	93.0	93.5	93.5	93.8	93.8	93.9	94.2

TOTAL NUMBER OF OBSERVATIONS 743

CENTRAL CLIMATOLOGY BRANCH  
DIAPETAC  
AIR WEATHER SERVICE/ANAC

## CEILING VERSUS VISIBILITY

STATION 1 FSNC AIR TERMINAL CA

73-80

MAO

STATION NAME

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1100  
HOURS - LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	38.4	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥20000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥18000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥16000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥14000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥12000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥10000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥9000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥8000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥7000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥6000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥5000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥4500	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥4000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥3500	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥3000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥2500	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥2000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥1800	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥1500	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥1200	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥1000	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥900	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥800	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥700	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥600	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥500	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥400	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥300	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥200	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥100	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
0	47.5	57.6	51.7	56.4	56.4	56.5	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2

TOTAL NUMBER OF OBSERVATIONS 743

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALL ALPHABETICALLY - RANCH  
 USAF ETAC  
 AIRCRAFT SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

FRESNO AIR TERMINAL EA

73-87

YEARS

MAP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	55.4	46.1	48.5	55.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	42.4	50.3	53.7	56.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 18000	42.4	50.3	53.7	56.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 16000	42.4	50.3	53.7	56.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 14000	43.5	51.5	54.5	57.2	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 12000	45.4	53.4	55.9	59.6	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	45.5	56.1	59.2	62.3	64.9	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 9000	45.7	56.3	59.4	62.4	65.0	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 8000	47.8	57.3	60.4	63.5	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 7000	47.5	56.2	61.5	64.7	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 6000	47.2	56.0	63.4	67.0	69.9	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 5000	47.2	56.2	65.5	69.3	72.3	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 4500	45.7	65.5	68.9	72.7	75.6	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4000	45.5	66.6	72.4	76.2	79.4	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3500	61.7	72.3	76.3	80.1	83.4	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	55.5	76.4	80.5	85.1	88.4	88.7	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	55.7	80.9	85.7	90.0	93.4	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	71.9	83.7	88.6	92.9	96.2	96.5	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1800	72.3	84.3	89.2	93.5	96.9	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	72.8	84.5	89.5	94.1	97.6	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	72.9	85.3	90.4	94.8	98.3	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	72.3	85.5	90.6	94.9	98.4	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	72.9	85.5	90.6	94.9	98.5	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 743



1. METEOROLOGICAL BRANCH  
AFETAC  
AF-44-1-1 SERVICE/MAC

## CEILING VERSUS VISIBILITY

193  
STATION

1. ESND AIR TERMINAL 24  
STATION NAME

73-50  
YEAR

MAC  
DATE

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	4.5	52.2	55.3	55.5	55.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	4.5	61.1	62.1	63.2	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000	4.5	61.1	62.2	63.2	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 16000	4.7	67.5	62.9	63.7	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 14000	5.5	61.6	64.4	65.5	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 12000	57.7	63.6	66.7	67.7	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 10000	58.5	64.5	67.7	69.1	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000	59.5	66.7	69.6	71.6	73.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	61.2	68.3	71.4	72.7	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 6000	63.7	71.0	74.2	75.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 5000	66.7	74.2	77.6	79.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4500	69.5	76.5	81.4	82.9	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4000	71.9	80.5	84.1	86.4	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3500	74.6	83.2	87.2	89.5	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 3000	76.6	85.3	89.4	92.1	94.4	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2500	78.5	87.5	91.7	94.0	97.0	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 2000	79.5	88.4	92.6	95.6	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	79.6	89.0	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	79.6	89.5	93.1	96.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 724

USAF ETAC 1000 JUL 54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
ETAC  
AERIAL SERVICE/MAL

# CEILING VERSUS VISIBILITY

173  
STATION

ESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

MAP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1870-2000  
HOURS (131)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	5.2	5.7	6.9	61.3	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 20000	5.7	64.9	66.7	67.3	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 18000	5.9	65.1	66.8	67.5	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	6.1	65.5	67.2	67.9	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 14000	6.3	66.3	67.3	69.1	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 12000	6.7	68.9	73.4	71.2	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000	6.3	70.0	72.4	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	6.2	70.6	73.5	74.5	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 8000	6.1	72.2	75.0	76.2	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	7.1	77.4	80.5	81.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 6000	7.3	81.9	85.5	86.8	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 5000	7.4	86.3	89.9	91.1	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4500	7.5	87.6	91.7	93.0	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4000	7.6	90.5	94.8	96.1	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 3500	7.7	91.5	95.8	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000	7.8	92.1	96.5	98.3	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500	7.9	92.2	96.8	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	7.9	92.5	97.0	98.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	7.9	92.6	97.2	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	7.9	92.6	97.2	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	7.9	92.7	97.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NATIONAL CLIMATOLOGY BRANCH  
USAF ETAC  
WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 73-80 FRESNO AIR TERMINAL CA

73-80

YEARS

MAP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS - MST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	55.6	61.4	63.6	64.2	64.9	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 20000	55.7	64.2	66.8	67.5	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000	55.7	64.2	66.8	67.5	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000	55.7	64.5	67.1	67.7	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 14000	55.1	64.9	67.6	68.3	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 12000	60.4	67.2	71.0	71.7	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000	62.1	69.2	72.0	72.8	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 9000	63.8	71.4	74.3	75.4	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	65.3	73.0	75.9	77.0	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 7000	65.8	77.0	80.7	81.0	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	72.5	81.6	84.7	85.9	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 5000	75.1	84.5	87.8	89.0	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4500	76.9	86.8	90.1	91.3	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 4000	77.3	90.3	94.2	95.6	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 3500	77.9	91.4	95.3	96.6	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	78.7	93.5	97.4	98.8	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500	78.8	93.7	97.6	98.9	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	78.8	93.8	97.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
OFFICE  
AIR WEATHER SERVICE / MAC

## CEILING VERSUS VISIBILITY

STATION TSNQ AIR TERMINAL CI  
STATION NAME

73-80

YEARS

MA 2  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥0
NO CEILING	4.0	52.3	54.4	56.1	57.4	57.5	57.9	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.3
≥ 20000	7.0	5.2	52.7	60.8	62.2	62.3	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.1
≥ 18000	10.0	55.4	58.9	61.0	62.5	62.6	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.4	63.4	63.4
≥ 16000	13.0	56.7	59.2	61.4	62.8	63.0	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8
≥ 14000	16.1	57.7	60.3	62.5	64.1	64.2	64.7	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.1
≥ 12000	19.7	59.7	62.5	64.7	66.3	66.5	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3	67.3
≥ 10000	24.3	61.8	64.8	67.2	68.7	68.9	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8
≥ 9000	29.4	63.1	66.2	68.6	70.2	70.4	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	35.1	64.1	67.3	69.8	71.4	71.6	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.5
≥ 7000	41.6	67.3	70.7	73.3	74.9	75.1	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	49.1	70.2	73.8	76.6	78.3	78.6	79.1	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4
≥ 5000	57.7	73.1	76.9	79.8	81.4	81.7	82.2	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6
≥ 4500	65.4	75.5	79.4	82.4	84.0	84.4	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3
≥ 4000	73.1	78.7	82.9	85.9	87.7	88.0	88.6	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0
≥ 3500	81.0	83.5	84.8	88.2	89.9	90.3	90.8	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.3
≥ 3000	89.7	87.3	87.3	90.7	92.6	93.0	93.6	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1
≥ 2500	98.8	84.3	88.7	92.1	94.1	94.5	95.1	95.3	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6
≥ 2000	100.0	84.9	89.7	93.1	95.1	95.5	96.1	96.3	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.6
≥ 1800	100.0	85.1	89.9	93.4	95.4	95.8	96.4	96.6	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9
≥ 1500	100.0	85.4	90.2	93.7	95.7	96.1	96.7	96.8	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.3
≥ 1200	100.0	85.8	90.6	94.1	96.2	96.5	97.1	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7
≥ 1000	100.0	86.2	90.9	94.4	96.4	96.8	97.4	97.7	97.7	97.8	97.9	97.9	97.9	97.9	98.0	98.0
≥ 900	100.0	86.5	91.2	94.5	96.6	97.0	97.6	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.3
≥ 800	100.0	86.8	91.5	94.8	96.9	97.3	97.9	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 700	100.0	87.1	91.8	95.1	97.1	97.5	98.1	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.7
≥ 600	100.0	87.4	92.1	95.4	97.4	97.8	98.4	98.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.0
≥ 500	100.0	87.7	92.4	95.7	97.7	98.1	98.7	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.3
≥ 400	100.0	88.0	92.7	96.0	98.0	98.4	99.0	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.6
≥ 300	100.0	88.3	93.0	96.3	98.3	98.7	99.3	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9
≥ 200	100.0	88.6	93.3	96.6	98.6	99.0	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	88.9	93.6	96.9	98.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	89.2	93.9	97.2	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5949

CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1995 ESNO AIR TERMINAL CA

75-80

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6000-3200  
HOURS 1151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	75.7	75.8	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 20000	76.7	77.6	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 18000	76.0	77.3	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 16000	76.2	77.8	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 14000	77.8	78.0	78.8	78.9	79.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 12000	78.2	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 10000	81.7	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 9000	82.6	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 8000	83.3	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 7000	86.5	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 6000	89.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 5000	91.9	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 4500	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 4000	96.8	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 3500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 3000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH  
AF/CLIC  
AF WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

198  
STATION

CSND AIP TERMINAL CA  
STATION NAME

73-80  
YEARS

APP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	71.7	73.8	74.6	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
≥20000	72.8	75.1	75.2	76.7	76.7	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4
≥18000	73.1	75.3	76.1	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7
≥16000	73.1	75.3	76.1	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7
≥14000	73.9	76.1	76.9	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5
≥12000	75.2	77.6	78.5	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0
≥10000	77.8	80.1	81.0	81.1	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5
≥9000	78.6	81.0	81.9	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.4	82.4
≥8000	79.4	81.9	82.8	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥7000	82.2	85.0	85.8	85.8	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4
≥5000	83.3	86.5	87.4	87.5	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9
≥4500	85.3	89.3	90.1	90.3	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7
≥4000	87.8	91.7	92.5	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.1
≥3500	89.2	93.3	94.7	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3
≥3000	89.7	94.6	95.7	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3
≥2500	92.9	95.4	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1
≥2000	1.4	95.3	97.4	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
≥1800	1.3	96.4	97.5	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1
≥1600	1.3	96.5	97.5	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥1200	1.5	96.7	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5
≥1000	1.3	96.9	98.2	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8
≥900	1.3	96.9	98.2	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8
≥800	1.3	96.9	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥700	1.3	96.9	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥600	1.3	96.9	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥500	1.3	96.9	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥400	1.3	96.9	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥300	1.3	96.9	98.5	98.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥200	1.3	96.9	98.5	98.9	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥100	1.3	96.9	98.5	98.9	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥0	1.3	96.9	98.5	98.9	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 720

CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

193 ESNO AIR TERMINAL CA

73-80

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7659-0800  
HOURS:151

CEILING -FEET-	VISIBILITY (STATUT MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	67.7	69.6	71.1	72.6	73.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥20000	69.7	72.5	73.2	73.6	73.9	73.9	74.2	74.2	74.2	74.2	74.3	74.3	74.4	74.4	74.4	74.4
IV 18000	65.6	72.0	73.3	73.8	74.0	74.0	74.3	74.3	74.3	74.3	74.4	74.4	74.6	74.6	74.6	74.6
IV 16000	65.9	72.6	73.5	73.9	74.2	74.2	74.4	74.4	74.4	74.4	74.6	74.6	74.7	74.7	74.7	74.7
IV 14000	67.4	74.6	75.4	75.8	76.1	76.1	76.4	76.4	76.4	76.4	76.5	76.5	76.7	76.7	76.7	76.7
IV 12000	68.5	76.0	76.8	77.4	77.6	77.6	77.9	77.9	77.9	77.9	78.1	78.1	78.2	78.2	78.2	78.2
IV 10000	69.3	77.1	77.9	78.5	78.8	78.8	79.0	79.0	79.0	79.0	79.2	79.2	79.3	79.3	79.3	79.3
IV 9000	70.7	78.2	79.0	79.6	79.9	79.9	80.1	80.1	80.1	80.1	80.3	80.3	80.4	80.4	80.4	80.4
IV 8000	71.8	78.5	79.3	79.9	80.1	80.1	80.4	80.4	80.4	80.4	80.6	80.6	80.7	80.7	80.7	80.7
IV 7000	72.5	80.0	81.1	82.1	82.4	82.4	82.6	82.6	82.6	82.6	82.8	82.8	82.9	82.9	82.9	82.9
IV 6000	73.2	82.4	83.3	83.9	84.3	84.3	84.6	84.6	84.6	84.6	84.7	84.7	84.9	84.9	84.9	84.9
IV 5000	75.0	83.5	84.7	85.6	86.0	86.1	86.4	86.4	86.4	86.4	86.5	86.5	86.7	86.7	86.7	86.7
IV 4500	76.8	85.4	86.7	87.5	87.9	88.1	88.2	88.3	88.3	88.3	88.5	88.5	88.6	88.6	88.6	88.6
IV 4000	77.5	87.6	89.0	89.9	90.4	90.5	90.8	90.8	90.8	90.8	91.0	91.0	91.1	91.1	91.1	91.1
IV 3500	79.3	88.8	90.1	91.0	91.5	91.7	91.9	91.9	91.9	91.9	92.1	92.1	92.2	92.2	92.2	92.2
IV 3000	80.5	89.7	91.2	92.2	92.9	93.1	93.3	93.3	93.3	93.3	93.5	93.5	93.6	93.6	93.6	93.6
IV 2500	80.4	90.3	91.8	92.8	93.5	93.8	94.0	94.0	94.0	94.0	94.2	94.2	94.3	94.3	94.3	94.3
IV 2000	80.7	90.7	92.2	93.2	93.9	94.2	94.4	94.4	94.4	94.4	94.5	94.5	94.7	94.7	94.7	94.7
IV 1800	80.7	90.7	92.4	93.3	94.0	94.3	94.6	94.6	94.6	94.6	94.7	94.7	94.9	94.9	94.9	94.9
IV 1500	80.7	91.4	93.1	94.0	95.1	95.4	95.7	95.7	95.7	95.7	95.8	95.8	96.0	96.0	96.0	96.0
IV 1200	81.1	91.8	93.5	94.4	95.6	95.8	96.3	96.3	96.3	96.3	96.4	96.4	96.5	96.5	96.5	96.5
IV 1000	81.1	92.1	93.9	94.9	96.0	96.3	96.7	96.7	96.7	96.7	96.9	96.9	97.1	97.1	97.1	97.1
IV 900	81.1	92.2	94.0	95.0	96.1	96.4	96.8	96.8	96.8	96.8	97.1	97.1	97.2	97.2	97.2	97.2
IV 800	81.1	92.2	94.0	95.1	96.3	96.5	96.9	96.9	96.9	96.9	97.1	97.2	97.2	97.4	97.4	97.4
IV 700	81.1	92.2	94.0	95.1	96.3	96.5	96.9	96.9	96.9	97.1	97.2	97.2	97.4	97.4	97.4	97.4
IV 600	81.1	92.4	94.2	95.4	96.5	96.9	97.4	97.4	97.4	97.5	97.6	97.6	97.8	97.8	97.8	97.8
IV 500	81.1	92.4	94.2	95.6	96.7	97.2	97.8	97.8	97.8	97.9	98.2	98.2	98.3	98.3	98.3	98.3
IV 400	81.1	92.4	94.2	95.6	96.7	97.5	98.3	98.3	98.3	98.5	98.8	98.8	98.9	98.9	98.9	98.9
IV 300	81.1	92.4	94.2	95.6	96.7	97.5	98.5	98.5	98.5	98.6	98.9	98.9	99.2	99.2	99.3	99.3
IV 200	81.1	92.4	94.2	95.7	96.9	97.8	98.6	98.8	98.8	98.9	99.2	99.2	99.4	99.4	99.7	99.7
IV 100	81.1	92.4	94.2	95.7	96.9	97.8	98.8	98.8	98.8	98.9	99.2	99.2	99.4	99.4	99.7	99.7
IV 0	81.1	92.4	94.2	95.7	96.9	97.8	98.8	98.8	98.8	98.9	99.2	99.2	99.4	99.4	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH  
WASPTAC  
A - WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1983 PSAD AIR TERMINAL CA  
STATION

73-80

YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-10	≥4	≥0
NO CEILING	69.0	69.3	69.7	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥20000	69.4	74.8	75.2	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥18000	69.6	74.9	75.2	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥16000	66.1	75.1	75.5	75.8	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥14000	67.1	76.1	76.5	76.8	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥12000	66.1	77.3	77.7	78.2	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥10000	66.5	78.7	79.1	79.6	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥9000	76.9	78.7	79.1	79.6	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥8000	76.7	79.0	79.4	79.8	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥7000	71.5	80.0	80.4	80.9	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥6000	71.8	80.7	81.1	81.6	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥5000	73.4	82.5	83.1	83.6	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥4500	75.4	84.7	85.5	86.2	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥4000	76.4	85.8	86.6	87.3	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥3500	77.3	86.9	87.8	88.5	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥3000	78.1	88.6	89.4	90.1	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥2500	78.1	91.4	92.2	93.3	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥2000	78.1	92.8	93.7	95.1	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥1800	78.1	93.2	94.3	95.8	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥1500	78.1	94.2	95.4	97.1	97.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥1200	78.1	94.7	96.5	97.6	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥1000	78.1	95.1	96.2	97.9	98.3	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥900	78.1	95.1	96.4	98.1	98.5	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥800	78.1	95.3	96.5	98.2	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥700	78.1	95.4	96.8	98.5	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥600	78.1	95.8	97.2	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥500	78.1	95.8	97.2	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥400	78.1	95.8	97.2	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	78.1	95.8	97.2	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥200	78.1	95.8	97.2	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥100	78.1	95.8	97.2	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0	78.1	95.8	97.2	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 719

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
AF/ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

19-1975-80  
STATION  
MCESNO AIR TERMINAL CA

73-80

YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS-151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	4.7	58.8	67.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥20000	7.3	75.7	75.7	75.6	75.8	75.8	75.8	75.8	75.2	75.6	75.8	75.8	75.8	75.8	75.8	75.8
≥18000	7.3	75.7	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥16000	7.3	75.6	75.8	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥14000	7.3	75.6	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥12000	7.3	77.9	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥10000	7.3	76.8	79.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥9000	7.3	79.2	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥8000	7.3	79.2	80.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥7000	7.3	80.8	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥6000	7.3	81.7	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥5000	7.3	84.2	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥4500	7.3	85.5	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥4000	7.3	89.3	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥3500	7.3	92.5	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥3000	7.3	96.3	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥2500	7.3	97.1	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥2000	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥1800	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥1500	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥1200	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥1000	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥900	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥800	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥700	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥600	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥500	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥400	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥300	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥200	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥100	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥0	7.3	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 720

JOINT CLIMATOLOGY BRANCH  
USAF ETAC  
WEATHER SERVICE / MAC

# CEILING VERSUS VISIBILITY

STATION ESNO AIR TERMINAL CA

73-8

YEARS

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 20000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 18000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 16000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 10000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 9000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4500	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 2500	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 2000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 1800	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 1500	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 1200	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 1000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 900	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 800	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 700	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 600	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 500	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 400	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 300	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 200	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 100	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2

TOTAL NUMBER OF OBSERVATIONS 719

CLIMATE CLIMATOLOGY BRANCH  
 WASHINGTON  
 AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

STATION FRESNO AIR TERMINAL CA

73-80

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-2100  
 HOURS MST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	75.7	76.4	75.5	76.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥20000	75.7	76.4	75.5	76.5	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥18000	71.1	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥16000	1.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥14000	13.3	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥12000	33.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥10000	55.7	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥9000	55.7	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥8000	56.1	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥7000	56.5	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥6000	56.7	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥5000	56.7	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥4500	56.7	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥4000	56.7	97.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥3500	56.7	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥3000	56.7	98.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥2500	56.7	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥2000	56.7	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥1800	56.7	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥1500	56.7	98.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1200	56.7	98.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1000	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	56.7	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 10-45 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AFAC

# CEILING VERSUS VISIBILITY

100  
STATION

WESLEY AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	≥16	≥1	≥0
NO CEILING	76.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 20000	76.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 18000	76.9	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 16000	76.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 14000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 12000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 10000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 9000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 8000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 7000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 6000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 5000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 4500	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 4000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 3500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 3000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 725

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEIL-AL CLIMATOLOGY BRANCH  
 CLAFETAC  
 AF- WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

STATION 197 ESNG ACP TERMINAL CA

73-87

EPG

STATION NAME

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS 1-1

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	73.5	72.7	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4
≥ 20000	73.3	76.9	77.2	77.5	77.6	77.6	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7
IV 18000	73.5	77.1	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9
IV 16000	73.7	77.2	77.4	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 14000	74.0	78.6	79.5	79.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 12000	75.7	79.4	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 10000	77.2	81.1	81.4	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 9000	77.5	81.5	82.1	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 8000	79.6	82.4	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3
IV 7000	80.4	84.4	84.8	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 6000	81.9	86.2	86.6	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 5000	84.2	88.8	89.3	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4500	85.4	90.7	91.2	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 4000	86.9	93.0	93.5	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 3500	88.5	94.1	94.7	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4
IV 3000	89.2	95.4	96.1	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2500	90.6	96.2	96.8	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2000	90.7	96.6	97.3	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	91.2	96.7	97.4	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	91.1	97.0	97.9	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	91.2	97.1	98.0	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	91.7	97.3	98.1	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	91.4	97.4	98.2	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	91.4	97.4	98.2	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	91.4	97.4	98.3	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	91.4	97.5	98.4	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	91.4	97.5	98.4	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	91.4	97.5	98.4	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	91.4	97.5	98.4	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	91.4	97.5	98.4	99.1	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	91.4	97.5	98.4	99.1	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	91.4	97.5	98.4	99.1	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 5753

GLOBAL CLIMATOLOGY BRANCH  
AFMPC  
AFMPC SERVICE/MAC

# CEILING VERSUS VISIBILITY

1193  
STATION

WESNO AIR TERMINAL CT  
STATION NAME

73-61  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0230  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	6.3	37.9	88.1	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 20000	8.3	89.9	91.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 18000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 16000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 14000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 12000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 10000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 9000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 8000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 7000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 6000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 5000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4500	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1800	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1000	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 300	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 200	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 100	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 0	8.3	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 100V 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOINT CLIMATOLOGY BRANCH  
AFETAC  
U.S. AIR FORCE SERVICE/MAC

# CEILING VERSUS VISIBILITY

194  
STATION

2 FSNQ AIR TERMINAL 24  
STATION NAME

77-80  
YEAR

NAV  
MOON

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1500  
MOON 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	25	25	24	23	22	22	21	21	21	20	20	20	20	20	20
NO CEILING	5.7	52.7	86.2	88.6	88.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 20000	7.2	55.3	85.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 18000	7.3	55.6	85.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 16000	8.7	52.9	82.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 14000	8.7	53.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 12000	31.9	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 10000	12.6	43.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 9000	17.4	34.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 8000	3.1	74.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 7000	4.7	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 6000	5.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 5000	16.3	95.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	16.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 4000	16.0	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3500	17.2	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	17.6	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	17.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	17.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	17.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	17.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	17.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	17.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	17.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	17.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	17.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	17.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	17.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	17.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	17.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	17.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	17.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	17.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

9-193  
STATION

PRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-0600  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	82.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥20000	85.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥18000	85.2	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥16000	85.3	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥14000	87.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥12000	87.6	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥10000	89.1	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥9000	90.3	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥8000	90.9	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥7000	91.7	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥6000	91.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥5000	92.3	98.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥4500	92.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥4000	93.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥3500	93.2	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥3000	93.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥2500	93.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥2000	93.5	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥1800	93.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1500	93.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1200	93.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1000	93.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥900	93.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥800	93.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥700	93.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	93.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	93.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	93.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	93.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	93.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	93.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	93.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

9-193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING	82.3	86.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 20000	83.5	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 18000	83.9	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 16000	84.3	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 14000	84.9	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 12000	85.6	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 10000	86.2	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 9000	86.2	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 8000	87.1	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 7000	87.8	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 6000	88.2	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 5000	88.1	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 4500	89.8	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	89.8	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3500	90.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3000	91.3	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2500	91.5	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	91.5	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	91.5	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	91.5	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1200	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 900	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 700	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 600	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 500	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 400	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 300	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 200	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 100	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 0	91.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥½	≥¼	≥0	≥0
NO CEILING	1.2	5.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 20000	5.2	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 18000	5.9	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 16000	6.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 14000	6.6	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 12000	7.0	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 10000	7.9	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 9000	7.9	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 8000	8.4	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 7000	8.4	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 6000	93.2	94.5	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 5000	92.3	96.6	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 4500	93.5	97.8	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 4000	94.4	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	99.5	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 3000	94.2	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	94.2	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	94.2	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.9	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2-193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	81.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥20000	85.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥18000	86.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥16000	86.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥14000	88.3	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥12000	90.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥10000	91.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥9000	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥8000	94.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥7000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥6000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥5000	96.8	96.7	96.7	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥4500	97.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥4000	98.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥3500	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥3000	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥2500	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥2000	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1800	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1500	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1200	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1000	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/44C

# CEILING VERSUS VISIBILITY

STATION 1153 ESNO AIR TERMINAL CA

73-82

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-2000  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	86.2	86.7	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 20000	90.6	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 18000	90.6	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 16000	91.1	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 14000	92.2	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 12000	92.7	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 10000	93.0	93.7	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 9000	94.0	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 8000	94.8	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 7000	96.5	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 6000	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 5000	98.3	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 4500	98.3	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 4000	98.5	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 3500	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.7	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 44-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1995  
STATION

REFSNO AIR TERMINAL CA  
STATION NAME

75-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥½
NO CEILING	7.2	38.1	88.1	88.0	85.0	85.0	82.0	82.0	82.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥20000	89.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥18000	89.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥16000	89.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥14000	91.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥12000	91.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥10000	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥9000	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥8000	94.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥7000	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥6000	96.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥5000	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥4500	98.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥4000	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥3500	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥3000	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥2500	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥2000	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1800	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1500	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1200	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1000	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥900	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥800	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥700	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥600	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	98.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	98.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	98.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	98.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

4193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (24 HRS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	44.2	66.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 20000	47.1	69.7	89.8	89.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 18000	47.2	69.6	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 16000	47.3	69.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 14000	48.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 12000	49.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 10000	49.6	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 9000	91.3	93.5	94.1	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 8000	91.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 7000	93.0	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 6000	94.0	96.9	97.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 5000	95.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4500	95.5	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 4000	95.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	96.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 3000	96.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	96.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	96.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	96.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	96.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	96.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	96.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5952

USAF ETAC 1094 JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

90193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (IST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥20000	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥18000	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥16000	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥14000	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥12000	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥10000	95.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥9000	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥8000	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥7000	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥6000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥5000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥4500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥4000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥3500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥3000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥2500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 726

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATD WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

0193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7300-0500  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	91.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 20000	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 18000	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 16000	94.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 14000	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 10000	96.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 9000	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 8000	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 7000	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 6000	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 5000	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 4500	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 4000	98.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 3500	98.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3000	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC 1000 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

60193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YRS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0000  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥1	≥0
NO CEILING	97.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 20000	92.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 18000	92.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 16000	92.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 14000	93.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 12000	94.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 10000	95.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	95.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 8000	96.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 7000	96.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 6000	96.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 5000	96.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	96.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	96.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	96.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
0193

FRESNO AIR TERMINAL CA

73-80

PERIOD

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
0000-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	86.7	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥20000	86.7	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥18000	86.7	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥16000	86.7	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥14000	86.9	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥12000	91.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥10000	91.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥9000	91.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥8000	91.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥7000	91.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥6000	91.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥5000	92.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥4500	92.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥4000	92.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥3500	92.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥3000	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥2500	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥2000	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1800	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1600	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1400	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1200	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1000	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	93.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

USAF ETAC 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS 722

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/H40

# CEILING VERSUS VISIBILITY

4193  
STATION

7-ESNO AIR TERMINAL CA  
STATION NAME

73-87  
YEARS

11/71  
DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS-111

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	96.5	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 20000	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 18000	91.7	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 16000	91.5	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 14000	92.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 12000	93.5	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 10000	93.6	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 9000	93.5	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 8000	93.5	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 7000	93.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 6000	93.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	94.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4500	94.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	94.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500	94.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC 100w 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1993  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-89  
YEARS

1111  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	57.2 94.3	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4	88.3 95.4
W 18000 16000	54.6 95.7	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1	95.7 96.1
W 14000 12000	95.7 97.2	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3	96.8 98.3
W 10000 9000	97.2 97.8	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9	98.9 98.9
W 8000 7000	97.8 98.1	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2	98.9 99.2
W 6000 5000	98.1 98.2	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3	99.2 99.3
W 4500 4000	98.2 98.5	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0	99.3 100.0
W 3500 3000	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
W 2500 2000	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
W 1800 1500	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
W 1200 1000	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
W 900 800	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
W 700 600	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
W 500 400	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
W 300 200	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
W 100 0	98.5 98.5	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
7193

STATION NAME  
FRESNO AIR TERMINAL CA

YEARS  
73-80

MONTH  
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	96.5	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 20000	92.9	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 18000	93.2	94.0	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 16000	94.4	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 14000	96.1	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 12000	96.9	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 10000	97.5	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 9000	97.9	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 8000	98.1	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 7000	98.2	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 6000	98.2	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 5000	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.5	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-83  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1'	≥0
NO CEILING	93.5	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥20000	94.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 18000	94.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 16000	95.0	96.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 14000	96.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 12000	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 10000	98.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 9000	98.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 8000	98.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 7000	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 6000	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 5000	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

02193  
STATION

PESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (153)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	89.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥20000	93.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 18000	93.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 16000	93.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 14000	94.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 12000	95.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 10000	96.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 9000	96.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 8000	96.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 7000	96.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 6000	96.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 5000	97.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 4500	97.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4000	97.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 3500	97.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5760

USAF ETAC FORM 14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

30193  
STATION

F-ESNO AIR TERMINAL CA  
STATION NAME

75-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥20000	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 18000	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 16000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 14000	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 12000	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 10000	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 9000	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 8000	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 7000	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 5000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 109M JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

95193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0700-0500  
HOURS (IST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	89.9	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥20000	90.0	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥18000	90.2	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥16000	90.4	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥14000	92.6	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥12000	96.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥10000	96.9	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥9000	97.3	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥8000	97.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥7000	97.3	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥6000	97.3	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥5000	97.3	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥4500	97.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥4000	97.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥3500	97.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥3000	97.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥2500	97.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥2000	97.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1800	97.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1500	97.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1200	97.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1000	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	97.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

9-193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-83  
YEARS

III  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	84.3	89.9	91.7	91.8	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥20000	85.6	91.5	93.5	93.5	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 18000	85.9	91.8	93.5	93.8	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 16000	85.9	91.8	93.5	93.8	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 14000	86.4	92.5	94.4	94.6	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 12000	88.3	94.4	96.2	96.5	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 10000	89.7	95.7	97.6	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 9000	90.1	96.1	98.3	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 8000	90.2	96.2	98.1	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 7000	90.3	96.4	98.3	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 6000	90.3	96.4	98.3	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 5000	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4500	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4000	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3500	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3000	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2500	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	90.6	96.6	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	90.7	96.9	98.8	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	90.7	97.3	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	90.7	97.3	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	90.7	97.3	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	90.7	97.3	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	90.7	97.3	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.7	97.3	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.7	97.3	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.7	97.3	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.7	97	98.9	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

03102  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥½	≥0
NO CEILING	80.1	91.7	93.4	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥20000	1.5	93.1	94.9	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 18000	1.5	93.1	94.9	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 16000	1.5	93.1	94.9	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 14000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 12000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 10000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 9000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 8000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 7000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 6000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 5000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 4500	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 4000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 3500	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 3000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 800	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 400	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 300	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 200	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 100	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 0	1.5	93.4	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

97193  
STATION

FPSNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	94.4	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 20000	96.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 18000	96.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 16000	96.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 14000	97.6	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 12000	98.7	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 10000	99.2	99.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 9000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

743

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

70193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	89.5	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 20000	91.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 18000	91.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 16000	91.7	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 14000	94.0	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 12000	96.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 10000	96.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 9000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

50193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-87  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 20000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 18000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 16000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 14000	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 12000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 10000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 9000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 8000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 6000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 5000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 100W 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION

FRESNO AIR TERMINAL CA

73-80

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2200  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5
≥ 20000	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
≥ 18000	94.1	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
≥ 16000	94.2	95.1	95.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.2
≥ 14000	95.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0
≥ 12000	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 10000	97.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 9000	98.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
≥ 8000	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 7000	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 6000	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 5000	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 4500	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 4000	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 3500	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 3000	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 2500	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 2000	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 1800	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 1500	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 1200	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 1000	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 900	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 800	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 700	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 600	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 500	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC

FORM  
1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 00193 ESNO AIR TERMINAL CA

73-80

JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS - 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	5.1	52.1	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 20000	69.4	93.6	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 18000	69.6	93.6	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5
≥ 16000	69.8	93.6	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 14000	61.4	95.1	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 12000	63.7	97.8	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 10000	94.2	98.4	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 9000	94.3	98.5	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 8000	94.5	98.7	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 7000	94.5	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 6000	94.6	98.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	94.7	98.9	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	94.7	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	94.7	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	94.7	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	94.7	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	94.7	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	94.7	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	94.7	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	94.7	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	94.8	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.8	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION 52193 FRESNO AIR TERMINAL CA

73-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

8000-8200  
0500-0510

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.01
NO CEILING	92.7	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 20000	93.2	94.2	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 18000	94.2	94.4	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 16000	94.2	94.6	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 14000	96.4	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 12000	97.3	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	97.3	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	97.3	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	97.4	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 7000	98.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 6000	98.4	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	98.4	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.1	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-16-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
73-80

STATION NAME  
FRESNO AIR TERMINAL C4

YEARS  
73-80

DATE  
0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	1.4	91.9	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥20000	93.3	93.8	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥18000	93.3	93.8	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥16000	93.3	94.1	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥14000	94.6	95.2	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥12000	95.4	96.0	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥10000	96.5	97.0	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥9000	96.6	97.2	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥8000	96.8	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥7000	97.1	97.6	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥6000	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥5000	98.1	98.5	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥4500	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥4000	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥3500	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥3000	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥2500	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥2000	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1800	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1500	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1200	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1000	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥900	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥800	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥700	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥600	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥500	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥400	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥300	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥200	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥100	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥0	98.1	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

92193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-63  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	75.4	88.4	89.7	89.0	89.4	89.4	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.1
≥ 20000	77.3	91.5	91.7	91.0	91.4	91.4	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1
≥ 18000	77.4	91.6	91.1	91.1	91.5	91.5	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥ 16000	75.1	91.3	91.8	91.8	92.2	92.2	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9
≥ 14000	78.8	91.9	92.5	92.5	92.9	92.9	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5
≥ 12000	80.0	93.3	93.3	93.6	94.2	94.2	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
≥ 10000	81.6	94.9	95.4	95.4	95.8	95.8	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5
≥ 9000	82.0	95.3	95.8	95.8	96.2	96.2	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
≥ 8000	82.5	95.6	96.4	96.4	96.8	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 7000	83.2	96.1	97.2	97.2	97.6	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3
≥ 6000	83.5	96.9	97.4	97.4	97.8	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
≥ 5000	84.0	97.6	98.1	98.1	98.7	98.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5
≥ 4500	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 4000	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 3500	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 3000	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 2500	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 2000	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 1800	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 1500	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 1200	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 1000	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 900	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 800	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 700	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 600	84.3	97.8	98.4	98.4	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 500	84.3	97.8	98.4	98.4	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 400	84.3	97.8	98.4	98.4	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 300	84.3	97.8	98.4	98.4	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 200	84.3	97.8	98.4	98.4	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 100	84.3	97.8	98.4	98.4	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 0	84.3	97.8	98.4	98.4	99.1	99.1	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

VC193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	68.4	36.3	95.7	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 20000	71.4	91.7	94.1	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 18000	71.4	91.9	94.4	94.5	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 16000	71.8	92.3	94.8	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 14000	72.2	92.9	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 12000	72.6	93.7	96.1	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 10000	74.2	95.6	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 9000	74.2	95.6	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 8000	74.2	95.6	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 7000	74.3	95.7	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 6000	74.3	95.7	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 5000	74.7	96.1	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 4500	75.0	96.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 4000	75.0	96.4	98.8	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3500	75.0	96.4	98.8	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3000	75.1	96.5	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	75.1	96.5	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	75.1	96.5	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	75.3	96.6	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

9-193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	76.2	93.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 20000	91.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 18000	92.3	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 16000	93.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 14000	93.5	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 12000	94.1	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 10000	94.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 9000	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 8000	94.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 7000	95.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 6000	95.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 5000	95.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 4500	95.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 4000	95.1	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 3500	95.2	98.7	99.2	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3000	95.3	98.9	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	95.5	98.9	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	95.5	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	95.6	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.8	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

0-193  
STATION

F-ESNO AIR TERMINAL CA  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	87.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 20000	82.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 18000	93.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 16000	92.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 14000	94.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 12000	95.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 10000	96.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 9000	96.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 8000	96.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 7000	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 6000	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 5000	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4500	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4000	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3500	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2500	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 742

USAF ETAC FORM 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

47193  
STATION

PRESNO AIP TERMINAL CA  
STATION NAME

73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	90.4	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 20000	93.4	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 18000	93.9	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 16000	94.6	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 14000	95.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 12000	96.5	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 10000	96.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 9000	96.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 8000	97.0	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 7000	97.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 6000	97.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 5000	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
195

STATION NAME  
RESNO AIR TERMINAL CA

YEARS  
73-80

MONTH  
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥3/16	≥0
NO CEILING	92.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 20000	94.1	94.6	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 18000	94.2	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 16000	94.3	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 14000	96.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	96.3	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 10000	97.2	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	97.2	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	97.5	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 7000	97.5	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 6000	97.8	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	98.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4500	98.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4000	98.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500	98.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 741



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

93193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

73-83  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0
NO CEILING	94.6	90.9	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7
≥20000	97.3	93.7	94.2	94.4	94.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥18000	97.4	93.9	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥16000	97.3	94.3	94.2	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥14000	97.7	95.5	96.0	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥12000	97.8	96.5	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥10000	97.5	97.2	97.8	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥9000	97.6	97.4	97.9	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥8000	97.8	97.7	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥7000	97.9	98.1	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥6000	98.1	98.3	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥5000	98.2	98.6	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥4500	98.7	98.7	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥4000	98.7	98.7	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥3500	98.7	98.7	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥3000	98.8	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥2500	98.8	98.8	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥2000	98.8	98.8	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥1800	98.9	98.9	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥1500	98.9	98.9	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥1200	98.9	98.9	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥1000	98.9	98.9	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥900	98.9	98.9	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥800	98.9	98.9	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥700	98.9	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥600	98.9	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥500	98.9	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥400	98.9	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	98.9	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥200	98.9	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥100	98.9	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0	98.9	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5944

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

95193  
STATION

POESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SFO  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (GMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING ≥ 20000	89.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 18000	90.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 16000	90.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 14000	91.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 12000	92.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000	93.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	93.9	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 8000	94.7	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 7000	95.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 6000	95.3	97.6	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 5000	95.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4500	95.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4000	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 3500	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 3000	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0	96.1	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

53193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	86.3	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥20000	86.3	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥18000	86.3	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥16000	86.3	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥14000	86.9	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥12000	89.7	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥10000	91.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥9000	91.7	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥8000	92.1	96.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥7000	92.1	96.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥6000	92.4	96.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥5000	92.9	97.1	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥4500	93.2	97.4	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥4000	93.2	97.4	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥3500	93.3	97.5	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥3000	93.3	97.5	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥2500	93.5	97.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥2000	93.5	97.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥1800	93.5	97.9	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥1500	93.5	97.9	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥1200	93.5	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥1000	93.5	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥900	93.5	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥800	93.5	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥700	93.5	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥600	93.5	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥500	93.5	98.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥400	93.5	98.2	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥300	93.5	98.2	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥200	93.5	98.2	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥100	93.5	98.2	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥0	93.5	98.2	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 719

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22193  
STATION

F. ESSNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

14622-7400  
FORM 517

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	75.0	79.4	83.9	86.5	88.5	89.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 20000	71.8	81.3	85.7	88.6	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 18000	71.8	81.3	85.7	88.6	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 16000	72.4	81.6	86.3	89.3	90.8	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 14000	73.1	82.5	86.9	90.0	91.5	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 12000	74.7	84.0	88.5	91.5	93.1	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 10000	76.5	86.4	90.8	94.0	95.6	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 9000	76.8	86.8	91.3	94.4	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 8000	77.4	87.4	91.8	95.0	96.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 7000	77.5	87.5	91.9	95.1	97.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 6000	77.8	87.9	92.4	95.7	97.5	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 5000	77.9	88.1	92.5	95.8	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 4500	78.3	88.5	92.9	96.3	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 4000	78.5	88.6	93.1	96.4	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2500	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	78.5	88.6	93.1	96.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MSC

# CEILING VERSUS VISIBILITY

92193  
STATION

PFESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEAR

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0922-1100  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	20	25	24	23	22½	22	21½	21¼	21	20	19	18	17	16	15
NO CEILING	55.9	77.9	85.1	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000	61.9	81.4	89.6	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 18000	61.9	81.4	89.6	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 16000	61.9	81.4	89.6	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 14000	62.4	82.5	90.7	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	63.1	83.3	91.5	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 10000	64.6	85.0	93.2	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	64.7	85.1	93.3	95.6	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 8000	64.7	85.3	93.5	95.7	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 7000	65.4	86.0	94.3	96.5	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 6000	65.4	86.1	94.3	96.7	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 5000	66.3	86.8	95.1	97.5	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4500	66.5	87.1	95.4	97.8	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 4000	66.7	87.2	95.6	97.9	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	67.2	87.4	95.7	98.1	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	67.2	87.9	96.3	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

53193

FRESNO AIR TERMINAL CA

72-79

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥5/32	≥0
NO CEILING	75.0	83.1	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 20000	75.2	89.2	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 18000	76.3	89.7	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 16000	76.5	90.0	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	76.9	90.4	93.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 12000	77.2	91.3	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 10000	79.0	92.6	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	79.2	92.8	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 8000	79.4	93.5	96.3	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 7000	80.0	94.2	96.9	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 6000	80.8	94.7	97.5	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 5000	81.3	95.4	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4500	81.3	95.4	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4000	81.3	95.4	98.2	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	81.4	95.6	98.3	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	81.8	96.0	98.6	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500	81.8	96.0	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	81.8	96.0	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	81.8	96.0	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	81.8	96.0	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	81.8	96.0	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	81.8	96.0	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	81.8	96.0	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	81.8	96.0	98.8	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	81.8	96.0	98.8	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	81.8	96.0	98.8	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	81.8	96.0	98.8	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	81.8	96.0	98.8	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	81.8	96.0	98.8	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	81.8	96.0	98.8	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	81.8	96.0	98.8	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	81.8	96.0	98.8	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

90193  
STATION

1-ESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	82.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 20000	87.1	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 18000	87.5	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 16000	88.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 14000	89.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 12000	90.8	95.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 10000	91.7	95.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 9000	92.1	96.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 8000	93.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 7000	94.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 6000	94.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 5000	94.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4500	94.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4000	94.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	94.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	94.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2500	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	94.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 719

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR-WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

STATION  
SF107

STATION NAME  
FRESNO AIR TERMINAL CA

YEARS  
72-79

MONTH  
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS LT ST.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥20000	87.3	86.7	87.7	85.7	87.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥18000	85.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥16000	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥14000	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥12000	84.4	85.0	85.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥10000	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥9000	86.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥8000	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥7000	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥6000	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥5000	88.1	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥4500	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥4000	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥3500	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥3000	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥2500	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥2000	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥1800	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥1500	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥1200	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥1000	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥900	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥800	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥700	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥600	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥500	88.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥400	88.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	88.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	88.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	88.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	88.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

0-193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5-16	≥¼	≥0
NO CEILING	1.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 20000	1.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 18000	1.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 16000	1.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 14000	2.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 12000	4.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 10000	6.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 9000	6.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	6.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 7000	7.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	7.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	7.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 4500	7.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 4000	7.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 3500	7.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 3000	7.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2500	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	8.1	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	8.2	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	8.2	98.9	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	8.2	98.9	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.2	98.9	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.2	98.9	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.2	98.9	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.2	98.9	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

0197  
STATION

ESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (151)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	79.4	85.8	87.8	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 20000	72.0	75.6	90.6	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 18000	82.1	86.7	90.7	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 16000	82.3	89.7	90.9	91.7	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 14000	83.3	91.5	92.0	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 12000	84.7	91.5	93.5	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 10000	86.1	93.1	95.1	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 9000	86.4	93.4	95.3	96.1	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 8000	86.9	94.0	95.9	96.7	97.3	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 7000	87.4	94.6	96.6	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 6000	87.0	94.8	96.8	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 5000	87.9	95.1	97.1	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 4500	88.1	95.2	97.3	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4000	88.2	95.3	97.4	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3500	88.2	95.4	97.5	98.3	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 3000	88.4	95.6	97.6	98.5	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2500	88.5	95.7	97.8	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	88.5	95.7	97.8	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	88.5	95.7	97.8	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	88.5	95.7	97.8	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	88.5	95.8	97.9	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	88.5	95.8	97.9	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	88.5	95.8	97.9	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	88.5	95.8	97.9	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	88.5	95.8	97.9	98.8	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	88.5	95.8	97.9	98.8	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	88.5	95.8	97.9	98.8	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	88.5	95.8	97.9	98.8	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	88.5	95.8	97.9	98.8	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	88.5	95.8	97.9	98.8	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	88.5	95.8	97.9	98.8	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	88.5	95.8	97.9	98.8	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5758

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

0-193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	83.6	79.0	80.3	81.2	83.9	84.0	84.0	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥20000	1.6	5.5	82.3	84.8	85.6	85.8	85.8	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 18000	81.7	83.6	82.4	84.9	85.8	85.9	85.9	86.0	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 16000	81.7	83.6	82.4	84.9	85.8	85.9	85.9	86.0	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 14000	81.8	83.9	82.7	85.2	86.0	86.2	86.2	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 12000	82.2	82.4	84.1	85.7	87.5	87.6	87.6	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 10000	84.1	83.9	85.6	88.2	89.0	89.1	89.1	89.2	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 9000	85.1	84.8	86.6	89.1	89.9	90.1	90.1	90.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 8000	85.3	86.0	87.8	90.3	91.1	91.3	91.3	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 7000	87.3	87.0	88.8	91.4	92.2	92.3	92.3	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 6000	88.1	87.9	90.3	92.9	93.7	93.8	93.8	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 5000	88.8	88.8	91.3	93.8	94.6	94.6	94.8	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 4500	89.8	90.1	92.6	95.2	96.0	96.1	96.1	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 4000	90.0	90.5	93.1	95.7	96.5	96.6	96.6	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 3500	90.3	90.7	93.3	95.8	96.6	96.8	96.8	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 3000	90.4	91.3	93.6	96.4	97.2	97.3	97.3	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 2500	90.7	91.5	94.2	96.8	97.6	97.7	97.7	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	90.8	91.8	94.6	97.2	98.0	98.1	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	90.8	91.8	94.6	97.3	98.1	98.3	98.3	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1500	91.1	92.2	95.2	97.7	98.5	98.7	98.7	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	91.1	92.5	95.4	98.0	98.8	98.9	98.9	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	91.1	92.5	95.4	98.0	98.8	98.9	98.9	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	91.1	92.5	95.4	98.0	98.8	98.9	98.9	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	91.1	92.6	95.6	98.1	98.9	99.1	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	91.1	92.6	95.6	98.1	98.9	99.1	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	91.1	92.6	95.6	98.1	98.9	99.1	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	91.1	92.6	95.6	98.1	98.9	99.1	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	91.1	92.6	95.6	98.1	98.9	99.1	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	91.1	92.6	95.7	98.3	99.1	99.2	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	91.1	92.6	95.7	98.3	99.2	99.3	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	91.1	92.6	95.7	98.3	99.2	99.3	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	91.1	92.6	95.7	98.3	99.2	99.3	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC

FORM  
JUL 84

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/440

# CEILING VERSUS VISIBILITY

STATION  
FRESNO

STATION NAME  
FRESNO AIR TERMINAL CA

YEARS  
72-79

MONTH

PERIOD  
0300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

PERIOD  
0300-0500  
HOURS MST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	55.5	76.2	79.3	82.3	83.9	84.3	84.1	84.1	84.1	84.4	84.4	84.4	84.5	84.5	84.5	84.5
≥20000	56.3	77.2	80.2	83.2	84.8	84.9	85.1	85.1	85.1	85.3	85.3	85.3	85.5	85.5	85.5	85.5
≥18000	56.5	77.3	80.4	83.3	84.9	85.1	85.2	85.2	85.2	85.5	85.5	85.5	85.6	85.6	85.6	85.6
IV 16000	56.5	77.3	80.4	83.3	84.9	85.1	85.2	85.2	85.2	85.5	85.5	85.5	85.6	85.6	85.6	85.6
≥14000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 12000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥10000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 10000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥8000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 8000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥7000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 7000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥6000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 6000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥5000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 5000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥4500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 4500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥4000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 4000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥3500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 3500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥3000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 3000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥2500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 2500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥2000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 2000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥1800	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 1800	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥1500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 1500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥1200	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 1200	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥1000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 1000	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥900	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 900	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥800	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 800	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥700	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 700	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥600	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 600	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 500	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥400	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 400	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥300	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 300	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥200	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 200	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥100	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 100	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥0	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 0	56.6	77.7	80.8	83.7	85.3	85.5	85.6	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

9-193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2600-6800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	35.3	51.7	67.6	82.0	74.9	77.3	78.4	78.9	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 20000	27.8	45.1	64.9	73.1	80.4	82.6	84.0	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.6
≥ 18000	27.4	55.2	55.1	73.1	80.5	82.9	84.1	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.8
IV 16000	27.3	55.4	65.2	72.3	80.6	83.1	84.3	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.8	85.9
IV 14000	28.3	56.2	66.1	74.3	81.7	84.3	85.5	86.0	86.0	86.7	86.7	86.7	86.7	86.7	87.0	87.1
IV 12000	39.5	58.3	68.3	76.7	84.3	86.8	88.2	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.7	89.8
IV 10000	40.2	59.3	69.5	78.2	85.8	88.3	89.7	90.2	90.2	90.9	90.9	90.9	90.9	90.9	91.1	91.3
IV 9000	40.7	59.9	70.4	79.2	86.7	89.2	90.6	91.1	91.1	91.8	91.8	91.8	91.8	92.1	92.3	92.5
IV 8000	41.0	60.5	71.1	80.0	87.5	90.1	91.4	91.9	91.9	92.6	92.6	92.6	92.6	92.9	93.1	93.3
IV 7000	41.7	61.2	71.9	80.8	88.3	90.9	92.2	92.7	92.7	93.4	93.4	93.4	93.4	93.7	94.0	94.1
IV 6000	43.1	62.9	73.9	83.1	90.6	93.1	94.5	95.0	95.0	95.7	95.7	95.7	95.7	96.0	96.2	96.4
IV 5000	43.5	63.4	74.6	83.7	91.3	93.8	95.2	95.7	95.7	96.4	96.4	96.4	96.4	96.6	96.9	97.0
IV 4500	43.7	63.6	74.7	83.9	91.4	94.0	95.3	95.8	95.8	96.5	96.5	96.5	96.5	96.8	97.0	97.2
IV 4000	44.1	64.0	75.1	84.3	91.8	94.4	95.7	96.2	96.2	96.9	96.9	96.9	96.9	97.2	97.4	97.6
IV 3500	44.1	64.0	75.1	84.3	91.8	94.4	95.7	96.2	96.2	96.9	96.9	96.9	96.9	97.2	97.4	97.6
IV 3000	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 2500	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 2000	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 1800	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 1500	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 1200	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 1000	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 900	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 800	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 700	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 600	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 500	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 400	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 300	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 200	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 100	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0
IV 0	44.4	64.4	75.5	84.7	92.2	94.8	96.1	96.6	96.6	97.3	97.3	97.3	97.3	97.6	97.8	98.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

7193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

907  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6900-1100  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	31.3	49.3	62.8	73.4	80.0	80.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 20000	53.3	52.6	56.7	77.8	85.2	86.4	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 18000	34.7	52.7	66.8	78.0	85.3	86.6	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 16000	34.3	53.7	67.1	78.2	85.6	86.8	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 14000	34.9	53.8	67.9	79.0	86.4	87.6	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 12000	35.6	55.4	69.5	81.2	87.6	89.8	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 10000	37.0	57.1	71.6	83.1	90.5	91.7	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 9000	37.5	57.7	72.3	83.7	91.1	92.3	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 8000	37.6	58.1	72.8	84.3	91.7	92.9	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 7000	39.7	59.5	74.3	85.8	93.1	94.4	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 6000	39.2	59.9	75.3	86.6	94.0	95.2	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 5000	45.2	61.3	76.1	87.6	95.0	96.2	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 4500	49.3	61.2	75.3	87.9	95.3	96.5	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 4000	48.5	61.3	76.5	88.5	95.4	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	47.5	61.3	76.5	88.3	95.4	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	40.7	61.6	76.7	88.3	95.7	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500	41.1	62.0	77.2	88.7	96.1	97.3	98.0	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 1800	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 1500	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 1200	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 1000	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 900	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 800	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 700	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 600	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 500	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 400	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 300	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 200	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 100	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8
≥ 0	41.5	62.4	77.6	89.1	96.5	97.7	98.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFM WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

22195 F-ESNO AIR TERMINAL CA

72-79

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING -FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	35.3	59.4	75.2	76.0	61.0	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 20000	35.5	64.2	75.2	84.1	67.9	85.2	85.2	85.2	85.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 18000	38.5	64.2	75.2	64.1	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 16000	38.5	64.5	75.1	64.4	63.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 14000	39.5	65.3	76.9	65.2	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 12000	39.9	66.0	77.7	65.0	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 10000	41.3	67.3	79.0	67.4	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 9000	42.3	68.4	80.1	68.6	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 8000	42.5	69.0	80.6	69.1	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 7000	44.1	70.2	81.9	70.3	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 6000	44.4	70.8	82.5	71.0	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 5000	45.2	71.6	83.3	71.8	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4500	45.2	71.8	83.5	71.9	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4000	45.2	72.4	84.1	72.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 3500	46.0	73.3	84.9	73.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	47.2	73.7	85.3	73.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500	47.2	73.8	85.5	74.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000	47.6	74.3	86.0	74.5	98.5	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	47.6	74.3	86.0	74.5	98.5	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	47.6	74.3	86.0	74.5	98.5	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	47.6	74.3	86.0	74.5	98.5	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	47.6	74.3	86.2	74.6	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	47.6	74.5	86.2	74.6	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	47.6	74.5	86.2	74.6	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	47.6	74.5	86.2	74.6	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	47.6	74.5	86.2	74.6	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	47.6	74.5	86.2	74.6	98.7	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	47.6	74.5	86.2	74.6	98.7	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	47.6	74.5	86.2	74.6	98.7	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	47.6	74.5	86.2	74.6	98.7	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	47.6	74.5	86.2	74.6	98.7	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	47.6	74.5	86.2	74.6	98.7	99.1	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

92193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS IST

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	59.2	72.2	77.5	80.0	80.9	83.9	89.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 18000	58.1	75.1	81.7	84.5	86.2	85.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 16000	59.9	77.2	82.6	85.9	87.2	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 14000	59.8	78.5	84.1	87.2	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 12000	61.7	80.5	86.4	89.5	90.5	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 10000	62.5	81.5	87.4	90.5	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 9000	63.3	82.3	88.2	91.3	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 8000	64.4	83.3	89.2	92.3	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 7000	66.1	85.1	91.0	94.1	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 6000	66.5	85.8	91.7	94.6	96.1	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 5000	67.3	86.6	92.5	95.6	96.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 4500	67.7	87.1	92.9	96.0	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 4000	68.7	87.2	93.1	96.2	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 3500	69.5	87.8	93.7	96.8	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3000	69.1	88.3	94.2	97.3	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2500	69.2	88.4	94.5	97.6	98.9	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	69.3	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.5	88.7	94.8	97.8	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1993  
STATION

FRESNO AIR TERMINAL C/

72-79

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS UST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	74.5	77.7	80.0	80.0	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥20000	74.1	78.6	82.3	84.3	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥18000	74.1	78.6	82.3	84.3	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥16000	74.4	78.9	82.3	84.5	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥14000	74.4	79.8	83.2	85.5	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥12000	76.5	82.0	85.3	87.6	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥10000	83.4	84.0	87.4	89.7	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥9000	89.4	85.2	89.8	91.1	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥8000	70.4	86.6	90.2	92.5	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥7000	71.8	87.9	91.5	93.8	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥6000	72.7	89.4	93.1	95.6	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥5000	73.3	90.5	94.2	96.6	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥4500	74.1	91.3	95.0	97.4	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥4000	74.5	91.4	95.4	97.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥3500	74.7	91.8	95.8	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥3000	75.0	92.1	96.1	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥2500	75.3	92.1	96.1	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥2000	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1800	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1500	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1200	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1000	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	75.3	92.1	96.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 109-44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

92193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

061  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST.)

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	60.2	77.2	78.8	80.8	81.7	81.7	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 20000	82.3	81.0	82.7	84.7	85.5	85.6	85.6	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 18000	82.2	81.5	83.1	85.1	86.0	86.0	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 16000	83.2	81.4	83.2	85.2	86.2	86.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 14000	84.2	82.9	84.8	86.6	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 12000	84.8	83.9	85.5	87.5	88.4	88.4	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 10000	86.3	85.5	87.1	89.1	90.1	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 9000	87.1	86.8	88.4	90.5	91.4	91.4	91.4	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 8000	88.1	88.2	89.8	91.8	92.7	92.7	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 7000	90.7	90.7	92.3	94.4	95.3	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 6000	91.1	91.9	94.3	96.0	96.9	96.9	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 5000	91.3	92.3	94.4	96.4	97.3	97.3	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 4500	91.8	92.7	94.8	96.8	97.7	97.7	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4000	92.4	93.7	95.7	97.0	98.0	98.0	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3500	92.4	93.4	95.4	97.4	98.4	98.4	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	92.7	93.7	95.7	97.7	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2500	93.0	94.0	96.0	98.0	98.9	98.9	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	93.1	94.1	96.1	98.1	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	93.1	94.1	96.1	98.1	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	93.1	94.1	96.1	98.1	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	93.1	94.1	96.1	98.1	99.3	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	93.1	94.1	96.1	98.1	99.3	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	93.3	94.2	96.2	98.2	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	93.3	94.2	96.2	98.2	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	93.3	94.4	96.4	98.7	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	93.3	94.4	96.4	98.7	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	93.3	94.4	96.4	98.7	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	93.3	94.4	96.4	98.7	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	93.3	94.4	96.4	98.7	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	93.3	94.4	96.4	98.7	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	93.3	94.4	96.4	98.7	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	93.3	94.4	96.4	98.7	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 100w JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10193  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEAR

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
NO. OF DAYS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	67.4	73.4	75.4	76.2	83.9	81.4	81.7	81.8	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 20000	51.0	73.7	77.0	82.1	85.1	85.6	85.9	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.3	86.3
≥ 18000	51.7	73.8	77.2	82.2	85.2	85.8	86.0	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4
≥ 16000	51.5	71.1	77.4	82.5	85.5	86.0	86.3	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.7	86.7
≥ 14000	52.5	71.9	78.3	83.4	86.4	86.9	87.2	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.6	87.6
≥ 12000	53.6	73.6	82.5	85.2	88.2	88.8	89.0	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 10000	54.5	75.0	81.6	85.7	89.8	90.3	90.6	90.7	90.7	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 9000	55.7	76.5	82.6	87.8	93.8	91.4	91.6	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.1	92.1
≥ 8000	56.4	76.8	83.5	88.7	91.7	92.3	92.5	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	93.0
≥ 7000	57.7	78.3	84.9	90.2	93.2	93.7	94.0	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 6000	58.6	79.4	86.3	91.6	94.6	95.1	95.4	95.6	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.9
≥ 5000	59.3	80.2	87.1	92.4	95.4	96.0	96.3	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7
≥ 4500	59.7	80.7	87.7	93.0	96.0	96.5	96.8	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2
≥ 4000	60.0	81.0	88.1	93.4	96.4	97.0	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.7	97.7
≥ 3500	60.3	81.4	88.4	93.7	96.8	97.3	97.6	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 3000	60.7	81.7	88.8	94.1	97.1	97.7	98.0	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 2500	61.0	81.9	89.0	94.3	97.4	97.9	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.8
≥ 2000	61.0	82.1	89.3	94.6	97.7	98.3	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 1800	61.0	82.1	89.3	94.6	97.7	98.3	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 1500	61.1	82.2	89.4	94.7	97.8	98.4	98.7	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 1200	61.1	82.3	89.5	94.8	98.0	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 1000	61.1	82.3	89.5	94.9	98.0	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 900	61.1	82.3	89.5	94.9	98.0	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 800	61.1	82.4	89.5	94.9	98.1	98.6	98.9	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.5	99.5
≥ 700	61.1	82.4	89.6	95.0	98.1	98.7	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 600	61.1	82.4	89.6	95.0	98.1	98.7	99.0	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6
≥ 500	61.1	82.4	89.6	95.0	98.2	98.8	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7
≥ 400	61.1	82.4	89.7	95.1	98.3	98.9	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8
≥ 300	61.1	82.4	89.7	95.1	98.3	98.9	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200	61.1	82.4	89.7	95.1	98.3	98.9	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
≥ 100	61.1	82.4	89.7	95.1	98.3	98.9	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
≥ 0	61.1	82.4	89.7	95.1	98.3	98.9	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10192 FRESNO AIR TERMINAL CA

72-79

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	33.2	33.2	41.5	51.8	50.4	55.2	60.6	61.0	61.0	63.2	63.6	63.6	64.0	64.0	64.0	64.7
≥ 20000	31.1	34.7	43.1	53.9	59.0	60.8	63.2	63.6	63.6	65.8	66.3	66.3	66.7	66.7	66.7	67.4
≥ 18000	31.1	34.7	43.1	53.9	59.0	60.8	63.2	63.6	63.6	65.8	66.3	66.3	66.7	66.7	66.7	67.4
≥ 16000	31.1	34.7	43.1	53.9	59.0	60.8	63.2	63.6	63.6	65.8	66.3	66.3	66.7	66.7	66.7	67.4
≥ 14000	32.2	35.1	44.3	55.3	60.6	62.4	64.7	65.1	65.1	67.4	67.9	67.9	68.3	68.3	68.5	69.2
≥ 12000	23.2	37.2	45.6	56.5	61.0	63.8	66.1	66.5	66.5	68.8	69.3	69.3	69.7	69.7	69.9	70.6
≥ 10000	24.7	39.4	47.9	58.9	64.3	66.1	68.5	68.9	68.9	71.1	71.7	71.7	72.1	72.1	72.2	72.9
≥ 9000	25.7	40.7	49.2	60.1	65.6	67.4	69.7	70.1	70.1	72.4	72.9	72.9	73.3	73.3	73.5	74.2
≥ 8000	26.4	41.5	50.0	61.0	66.4	68.2	70.6	71.0	71.0	73.2	73.8	73.8	74.2	74.2	74.5	75.0
≥ 7000	28.3	43.8	52.4	63.5	69.0	70.8	73.2	73.6	73.6	75.8	76.4	76.4	76.8	76.8	76.9	77.6
≥ 6000	29.1	45.3	53.8	65.0	71.1	72.9	75.3	75.7	75.7	77.9	78.5	78.5	78.9	78.9	79.0	79.7
≥ 5000	30.6	47.4	55.8	67.6	73.2	75.0	77.4	77.8	77.8	80.0	80.6	80.6	81.0	81.0	81.1	81.8
≥ 4500	31.5	48.2	56.9	68.8	74.4	76.3	78.6	79.0	79.0	81.3	81.8	81.8	82.2	82.2	82.4	83.1
≥ 4000	32.2	49.2	57.9	70.0	76.0	77.9	80.3	80.7	80.7	82.9	83.5	83.5	83.9	83.9	84.0	84.7
≥ 3500	32.5	50.0	58.5	71.0	77.1	79.0	81.7	82.2	82.2	84.4	85.0	85.0	85.4	85.4	85.6	86.3
≥ 3000	33.5	51.3	60.4	72.6	78.8	80.8	83.5	84.3	84.3	86.4	86.9	86.9	87.4	87.4	87.5	88.2
≥ 2500	33.8	51.7	60.8	73.2	79.4	81.5	84.3	84.9	84.9	87.2	87.8	87.8	88.2	88.2	88.3	89.0
≥ 2000	33.8	51.7	60.8	73.2	79.4	81.5	84.3	84.9	84.9	87.2	87.8	87.8	88.2	88.2	88.3	89.0
≥ 1800	33.8	51.7	60.8	73.2	79.4	81.5	84.3	84.9	84.9	87.2	87.8	87.8	88.2	88.2	88.3	89.0
≥ 1500	33.8	51.7	60.8	73.2	79.4	81.5	84.3	84.9	84.9	87.2	87.8	87.8	88.2	88.2	88.3	89.0
≥ 1200	33.8	51.7	61.0	73.5	80.0	82.1	85.3	85.8	85.8	88.2	88.8	88.8	89.2	89.2	89.3	90.0
≥ 1000	33.8	51.7	61.0	73.5	80.0	82.1	85.3	85.8	85.8	88.2	88.8	88.8	89.2	89.2	89.3	90.0
≥ 900	33.8	51.7	61.0	73.5	80.0	82.1	85.3	85.8	85.8	88.2	88.8	88.8	89.2	89.2	89.3	90.0
≥ 800	33.8	51.7	61.1	74.0	81.5	83.8	86.9	87.5	87.5	89.9	90.4	90.4	90.8	90.8	91.0	91.7
≥ 700	33.8	51.7	61.1	74.3	81.8	84.2	87.5	88.1	88.1	90.4	91.0	91.0	91.4	91.4	91.5	92.2
≥ 600	33.8	51.7	61.1	74.7	82.8	85.3	89.2	89.7	89.7	92.1	92.6	92.6	93.1	93.1	93.2	93.9
≥ 500	33.8	51.7	61.1	74.7	82.8	85.3	89.2	89.7	89.7	92.1	92.6	92.6	93.1	93.1	93.2	93.9
≥ 400	33.8	51.7	61.1	75.1	84.0	86.9	91.3	91.8	91.8	94.2	94.7	94.7	95.1	95.1	95.3	96.0
≥ 300	33.8	51.7	61.1	75.1	84.2	87.1	91.8	92.4	92.4	95.1	95.7	95.7	96.1	96.1	96.3	96.9
≥ 200	33.8	51.7	61.1	75.1	84.2	87.1	91.8	92.4	92.4	95.1	95.7	95.7	96.1	96.1	96.3	96.9
≥ 100	33.8	51.7	61.1	75.1	84.2	87.1	91.8	92.4	92.4	95.1	95.7	95.7	96.1	96.1	96.3	96.9
≥ 0	33.8	51.7	61.1	75.1	84.2	87.1	91.8	92.4	92.4	95.1	95.7	95.7	96.1	96.1	96.3	96.9

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

60133  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-0500  
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-10	≥0
NO CEILING	33.2	42.2	51.1	58.0	57.6	60.1	60.7	60.7	62.1	62.4	62.4	63.1	63.1	63.6	64.4	
≥ 20000	31.1	43.1	52.2	57.4	59.0	61.5	62.1	62.1	63.5	63.6	63.6	64.4	64.4	65.1	65.8	
≥ 18000	31.4	43.3	52.5	57.6	59.2	61.8	62.4	62.4	63.6	64.0	64.0	64.7	64.7	65.4	66.1	
≥ 16000	31.7	43.6	52.8	57.9	59.6	62.1	62.6	62.6	64.0	64.3	64.3	65.0	65.0	65.7	66.4	
≥ 14000	32.4	44.4	53.8	59.0	60.7	63.2	63.6	63.6	65.1	65.4	65.4	66.1	66.1	66.8	67.5	
≥ 12000	27.2	36.7	45.7	55.1	61.4	62.1	64.6	65.1	65.1	66.5	66.8	66.8	67.5	67.5	68.2	68.9
≥ 10000	24.2	33.1	47.1	56.5	61.8	63.5	66.0	66.5	66.5	67.9	68.2	68.2	68.9	68.9	69.6	70.3
≥ 9000	24.7	39.2	48.2	57.6	62.9	64.6	67.1	67.6	67.6	69.0	69.3	69.3	70.0	70.0	70.7	71.4
≥ 8000	25.1	39.7	48.8	58.2	63.5	65.1	67.6	68.2	68.2	69.6	69.9	69.9	70.6	70.6	71.3	71.9
≥ 7000	27.5	40.6	51.7	61.1	66.5	68.2	70.7	71.3	71.3	72.6	72.9	72.9	73.6	73.6	74.3	75.0
≥ 6000	28.3	43.5	52.5	62.2	67.6	69.3	71.8	72.4	72.4	73.8	74.0	74.0	74.7	74.7	75.4	76.1
≥ 5000	29.4	44.6	54.7	64.2	69.9	71.5	74.0	74.7	74.7	76.1	76.4	76.4	77.1	77.1	77.8	78.5
≥ 4500	29.4	45.6	54.7	65.2	70.7	72.4	74.9	75.6	75.6	76.9	77.2	77.2	77.9	77.9	78.6	79.3
≥ 4000	30.4	47.1	55.4	66.7	72.4	74.0	76.7	77.4	77.4	78.6	79.0	79.0	79.7	79.7	80.4	81.1
≥ 3500	30.8	47.4	56.5	67.1	72.8	74.4	77.1	77.8	77.8	79.2	79.4	79.4	80.1	80.1	80.8	81.5
≥ 3000	32.1	49.2	59.5	69.4	75.1	76.8	79.6	80.3	80.3	81.7	81.9	81.9	82.6	82.6	83.3	84.0
≥ 2500	32.4	49.4	59.3	69.7	75.6	77.2	80.0	80.7	80.7	82.1	82.4	82.4	83.1	83.1	83.8	84.4
≥ 2000	32.4	49.4	59.3	69.7	75.6	77.2	80.3	81.0	81.0	82.4	82.6	82.6	83.5	83.5	84.2	84.9
≥ 1800	32.4	49.4	59.3	69.7	75.6	77.2	80.3	81.0	81.0	82.4	82.6	82.6	83.5	83.5	84.2	84.9
≥ 1500	32.4	49.4	59.3	69.7	75.6	77.2	80.6	81.3	81.3	82.9	83.2	83.2	84.0	84.0	84.7	85.4
≥ 1200	32.4	49.4	59.6	70.3	76.1	77.8	81.1	81.8	81.8	83.5	83.8	83.8	84.6	84.6	85.3	86.0
≥ 1000	32.4	49.4	59.6	70.3	76.3	78.2	81.5	82.2	82.2	83.9	84.2	84.2	85.0	85.0	85.7	86.4
≥ 900	32.4	49.4	59.6	70.7	76.9	79.0	82.4	83.1	83.1	84.7	85.0	85.0	85.8	85.8	86.5	87.2
≥ 800	32.4	49.4	59.7	71.3	77.5	79.6	82.9	83.6	83.6	85.3	85.6	85.6	86.4	86.4	87.1	87.9
≥ 700	32.4	49.4	59.7	71.3	77.9	80.0	83.5	84.2	84.2	85.8	86.1	86.1	86.9	86.9	87.6	88.3
≥ 600	32.4	49.4	59.5	71.7	78.6	80.7	84.2	84.9	84.9	86.5	86.8	86.8	87.6	87.6	88.3	89.0
≥ 500	32.4	49.4	59.9	71.8	79.4	81.7	85.8	86.5	86.5	88.2	88.5	88.5	89.3	89.3	90.0	90.8
≥ 400	32.4	49.6	61.0	72.1	80.1	82.4	86.5	87.2	87.2	88.9	89.2	89.2	90.0	90.0	90.7	91.5
≥ 300	32.4	49.6	60.0	72.1	80.3	82.5	86.7	87.5	87.5	89.3	89.6	89.6	90.4	90.4	91.1	91.9
≥ 200	32.4	49.6	60.0	72.1	80.3	82.5	87.1	87.9	87.9	89.6	90.0	90.0	91.5	91.5	92.4	93.6
≥ 100	32.4	49.6	60.0	72.1	80.3	82.5	87.1	87.9	87.9	90.4	90.7	90.7	91.9	91.9	93.2	96.5
≥ 0	32.4	49.6	60.0	72.1	80.3	82.5	87.1	87.9	87.9	90.4	90.7	90.7	91.9	91.9	93.2	96.5

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
STAPLESD  
AIR WEATHER SERVICE/MAF

## CEILING VERSUS VISIBILITY

7193  
STATION

ESNC AFD TERMINAL CA  
STATION NAME

72-79  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	17.3	25.6	31.1	36.6	41.2	43.0	46.1	48.2	48.3	50.0	51.5	51.5	52.6	52.6	53.2	53.9
≥20000	17.6	26.3	32.3	39.7	45.0	47.1	48.3	52.5	52.6	54.3	55.8	55.8	57.1	57.1	57.7	58.6
IV 18000	20.2	29.0	33.7	40.7	46.1	48.2	51.4	53.8	53.9	55.7	57.2	57.2	58.5	58.5	59.1	60.0
IV 16000	20.3	29.1	33.8	40.8	46.4	48.5	51.7	54.0	54.2	56.0	57.5	57.5	58.8	58.8	59.3	60.3
IV 14000	21.0	30.5	35.5	42.5	48.5	50.6	53.9	56.3	56.4	58.2	59.7	59.7	61.0	61.0	61.5	62.5
IV 12000	22.1	31.6	36.6	43.7	49.9	51.9	55.7	58.1	58.2	60.0	61.6	61.6	62.8	62.8	63.4	64.3
IV 10000	22.8	32.0	37.6	44.7	51.0	53.1	56.8	59.2	59.3	61.1	62.7	62.7	63.9	63.9	64.5	65.5
IV 9000	23.0	33.4	38.4	45.5	51.8	53.9	57.7	60.0	60.2	62.0	63.5	63.5	64.8	64.8	65.3	66.3
IV 8000	24.1	34.0	39.0	46.1	52.4	54.5	58.2	60.6	60.7	62.5	64.1	64.1	65.3	65.3	65.9	66.9
IV 7000	24.3	35.1	40.7	47.5	53.4	56.0	60.0	62.4	62.5	64.3	65.9	65.9	67.1	67.1	67.7	68.7
IV 6000	26.3	36.5	41.6	48.9	55.3	57.4	61.8	64.2	64.3	66.2	67.7	67.7	68.9	68.9	69.5	70.5
IV 5000	26.4	37.6	42.7	50.7	57.2	59.3	63.8	66.2	66.3	68.1	69.6	69.6	70.9	70.9	71.4	72.4
IV 4500	27.2	37.9	43.5	51.1	57.7	59.7	64.3	67.0	67.1	68.9	70.5	70.5	71.7	71.7	72.3	73.3
IV 4000	28.0	39.4	45.7	52.6	59.2	61.3	65.9	68.5	68.7	70.5	72.0	72.0	73.3	73.3	73.9	74.5
IV 3500	29.8	39.7	46.4	53.1	59.6	61.7	66.3	69.1	69.2	71.0	72.6	72.6	73.8	73.8	74.4	75.3
IV 3000	29.4	41.5	46.4	54.0	60.7	62.8	67.5	70.6	70.8	72.6	74.1	74.1	75.3	75.3	75.9	76.9
IV 2500	29.8	41.1	47.2	55.3	62.1	64.2	69.2	72.4	72.6	74.4	75.9	75.9	77.2	77.2	77.7	78.7
IV 2000	29.8	41.1	47.2	55.4	62.3	64.3	69.5	72.8	73.3	75.3	76.9	76.9	78.1	78.1	79.7	79.7
IV 1800	29.8	41.1	47.4	55.6	62.4	64.5	69.9	73.3	73.7	76.0	77.6	77.6	78.8	78.8	79.4	80.4
IV 1700	29.8	41.1	47.4	55.6	62.7	64.8	70.3	73.7	74.1	76.5	78.1	78.1	79.4	79.4	79.9	80.9
IV 1200	29.8	41.1	47.4	55.6	63.8	66.2	71.7	75.2	75.6	78.0	79.7	79.7	80.9	80.9	81.5	82.5
IV 1000	29.8	41.4	47.5	56.5	63.9	66.4	72.1	75.6	76.0	78.4	80.1	80.1	81.3	81.3	81.9	82.9
IV 900	29.8	41.4	47.5	56.7	64.2	66.7	72.4	75.9	76.3	78.7	80.4	80.4	81.6	81.6	82.2	83.1
IV 800	29.8	41.6	48.2	57.1	64.9	67.4	73.3	76.9	77.3	79.7	81.3	81.3	82.6	82.6	83.1	84.1
IV 700	29.8	41.6	48.2	57.1	64.9	67.4	73.3	77.2	77.6	79.9	81.6	81.6	82.9	82.9	83.4	84.4
IV 600	29.8	41.6	48.2	57.2	65.2	67.7	73.7	77.9	78.3	80.8	82.5	82.5	83.7	83.7	84.3	85.2
IV 500	29.8	41.6	48.2	57.2	65.3	67.8	74.2	78.8	79.2	81.9	83.6	83.6	84.8	84.8	85.4	86.4
IV 400	29.8	41.6	48.2	57.4	65.6	68.1	74.8	79.5	79.9	82.9	84.6	84.6	86.2	86.2	86.8	87.7
IV 300	29.8	41.6	48.2	57.4	65.6	68.1	74.9	79.9	80.4	83.3	85.4	85.4	86.8	86.8	87.3	88.3
IV 200	29.8	41.6	48.2	57.4	65.6	68.1	74.9	79.9	80.4	83.8	85.9	85.9	87.6	87.6	88.7	90.1
IV 100	29.8	41.6	48.2	57.4	65.6	68.1	74.9	79.9	80.4	83.8	86.1	86.1	87.9	87.9	89.1	94.6
IV 0	29.8	41.6	48.2	57.4	65.6	68.1	74.9	79.9	80.4	83.8	86.1	86.1	87.9	87.9	90.1	100.0

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
C-102

STATION NAME  
F. ESNOW AIR TERMINAL CA

YEARS  
72-79

MONTH  
NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)  
0900-1100

CEILING -FEET-	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5-16	≥4	≥0
NO CEILING	16.5	25.4	31.5	36.6	45.1	47.5	50.0	51.4	51.4	52.6	54.2	54.2	54.6	54.7	54.9	55.0	
≥ 20000	16.2	27.4	34.4	41.7	42.8	51.4	54.4	55.6	55.9	57.2	58.8	58.8	59.3	59.4	59.6	59.7	
IV 18000	18.5	27.6	34.6	42.2	49.3	51.9	55.0	56.4	56.4	57.5	59.3	59.3	59.9	60.0	60.1	60.3	
≥ 16000	19.8	28.2	35.1	42.8	50.1	52.9	56.0	57.4	57.4	58.8	60.3	60.3	60.8	61.0	61.1	61.3	
IV 14000	20.6	30.4	37.5	45.1	52.8	55.6	58.9	60.3	60.3	61.7	63.2	63.2	63.8	63.9	64.0	64.2	
≥ 12000	22.2	32.5	39.7	47.4	55.0	57.8	61.3	62.6	62.6	64.0	65.6	65.6	66.1	66.3	66.4	66.5	
IV 10000	22.9	32.8	40.0	47.6	55.6	58.8	62.5	63.9	63.9	65.3	66.8	66.8	67.4	67.5	67.6	67.8	
≥ 9000	23.5	33.8	41.0	48.6	56.5	59.7	63.5	64.9	64.9	66.3	67.8	67.8	68.3	68.5	68.6	68.8	
IV 8000	23.5	34.2	41.4	49.2	57.2	60.4	64.2	65.6	65.6	66.9	68.5	68.5	69.0	69.2	69.3	69.6	
≥ 7000	24.3	34.7	41.9	49.7	58.1	61.3	65.0	66.4	66.4	67.8	69.3	69.3	69.9	70.0	70.1	70.4	
IV 6000	25.4	35.8	43.2	51.0	59.3	62.5	66.4	67.8	67.8	69.2	70.7	70.7	71.3	71.4	71.5	71.8	
≥ 5000	26.3	36.7	44.7	52.1	60.4	63.6	67.6	69.0	69.0	70.6	72.1	72.1	72.6	72.8	72.9	73.2	
IV 4500	26.7	37.4	44.9	53.2	61.7	64.9	68.9	70.4	70.4	71.9	73.5	73.5	74.0	74.2	74.3	74.6	
≥ 4000	28.1	38.8	46.3	54.6	63.2	66.5	70.7	72.4	72.4	73.9	75.4	75.4	76.0	76.1	76.3	76.5	
IV 3500	28.5	39.2	46.6	55.3	63.9	67.4	71.5	73.2	73.2	74.7	76.3	76.3	76.8	76.9	77.1	77.4	
≥ 3000	29.0	39.7	47.6	56.1	64.9	68.5	72.6	74.3	74.3	75.8	77.4	77.4	77.9	78.1	78.2	78.5	
IV 2500	30.0	40.8	48.8	57.4	66.4	70.4	74.6	76.3	76.4	78.1	79.6	79.6	80.1	80.3	80.4	80.7	
≥ 2000	30.0	41.0	48.9	57.5	66.8	70.8	75.1	76.9	77.1	79.2	80.7	80.7	81.3	81.4	81.5	81.8	
IV 1800	30.1	41.1	49.2	57.8	67.1	71.1	75.4	77.2	77.4	79.4	81.3	81.3	81.5	81.7	81.8	82.1	
≥ 1500	30.2	41.8	50.0	58.8	68.5	72.5	76.9	78.8	78.9	81.0	82.5	82.5	83.1	83.2	83.3	83.6	
IV 1200	30.4	41.9	50.3	59.3	69.0	73.1	77.5	79.7	79.9	81.9	83.5	83.5	84.0	84.2	84.3	84.6	
≥ 1000	30.5	41.9	50.6	59.7	69.4	73.5	78.6	81.0	81.1	83.3	84.9	84.9	85.4	85.6	85.7	86.0	
IV 900	30.5	41.9	50.8	59.9	69.9	74.2	79.3	81.8	81.9	84.2	85.7	85.7	86.3	86.4	86.5	86.8	
≥ 800	30.5	41.9	50.8	60.0	70.0	74.3	79.7	82.4	82.5	84.7	86.3	86.3	86.8	86.9	87.1	87.4	
IV 700	30.7	42.1	50.7	60.1	70.1	74.4	79.9	83.1	83.2	85.7	87.2	87.2	87.8	87.9	88.1	88.3	
≥ 600	30.8	42.2	50.8	60.3	70.3	74.6	80.0	83.3	83.5	86.8	88.3	88.3	88.9	89.0	89.2	89.4	
IV 500	30.8	42.2	50.8	60.4	70.4	74.9	80.4	84.0	84.2	88.3	90.0	90.0	90.6	90.7	90.8	91.1	
≥ 400	30.8	42.2	50.8	60.4	70.6	75.0	80.6	84.4	84.6	89.4	91.1	91.1	91.9	92.1	92.2	92.5	
IV 300	30.8	42.2	50.8	60.4	70.6	75.0	80.6	84.6	84.7	90.1	92.2	92.2	93.6	93.8	94.4	94.7	
≥ 200	30.8	42.2	50.8	60.4	70.7	75.1	80.7	84.7	84.9	92.3	92.8	92.8	94.4	94.7	95.8	96.1	
IV 100	30.8	42.2	50.8	60.4	70.7	75.1	80.7	84.7	84.9	92.3	92.8	92.8	94.6	94.9	96.3	98.1	
≥ 0	30.8	42.2	50.8	60.4	70.7	75.1	80.7	84.7	84.9	92.3	92.8	92.8	94.6	94.9	96.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
7193

STATION NAME  
FRESNO AIR TERMINAL CA

YEARS  
72-79

MONTH  
NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	10.3	32.5	47.7	47.4	53.2	56.7	57.4	58.3	58.3	59.4	59.9	59.9	59.9	59.9	59.9	59.9
≥ 20000	10.3	35.4	44.4	51.5	57.8	61.3	62.1	63.1	63.1	64.3	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	19.9	35.4	44.4	51.5	58.1	61.5	62.5	63.5	63.5	64.9	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000	19.9	35.7	44.7	52.6	58.9	62.4	63.3	64.3	64.3	65.7	66.4	66.4	66.4	66.4	66.4	66.4
IV 14000	21.4	37.6	46.8	54.7	61.3	64.7	66.1	67.1	67.1	68.5	69.2	69.2	69.2	69.2	69.2	69.2
IV 12000	22.4	39.0	48.2	56.1	62.8	66.3	67.6	68.6	68.6	70.0	70.8	70.8	70.8	70.8	70.8	70.8
IV 10000	22.5	39.7	49.0	56.9	64.2	67.6	69.0	70.0	70.0	71.7	72.5	72.5	72.5	72.5	72.5	72.5
IV 9000	23.2	40.3	49.6	57.5	64.7	68.2	69.6	70.6	70.6	72.2	73.1	73.1	73.1	73.1	73.1	73.1
IV 8000	23.3	41.4	50.5	58.8	66.0	69.4	70.8	71.8	71.8	73.5	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	25.4	43.2	52.5	60.6	67.8	71.3	72.6	73.8	73.8	75.4	76.3	76.3	76.3	76.3	76.3	76.3
IV 6000	26.3	44.3	53.8	61.8	69.2	72.6	74.2	75.4	75.4	77.1	77.9	77.9	77.9	77.9	77.9	77.9
IV 5000	26.2	46.4	55.8	64.0	71.4	74.9	76.4	77.6	77.6	79.3	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500	28.9	47.2	56.8	65.1	72.8	76.3	77.8	79.0	79.0	80.7	81.5	81.5	81.5	81.5	81.5	81.5
IV 4000	29.7	48.2	57.8	66.3	74.0	77.8	79.3	80.6	80.6	82.2	83.1	83.1	83.1	83.1	83.1	83.1
IV 3500	30.1	48.6	58.5	66.9	74.7	78.5	80.0	81.4	81.4	83.1	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	30.4	49.2	59.2	67.6	75.4	79.3	80.8	82.4	82.4	84.0	84.9	84.9	84.9	84.9	84.9	84.9
IV 2500	31.4	50.3	60.7	69.3	77.2	81.3	82.6	84.3	84.3	86.0	86.8	86.8	86.8	86.8	86.8	86.8
IV 2000	31.7	50.6	61.1	70.0	77.9	81.9	83.6	85.3	85.3	87.1	87.9	87.9	87.9	87.9	87.9	87.9
IV 1800	31.7	51.0	61.5	70.7	78.6	82.6	84.4	86.1	86.1	88.1	88.9	88.9	88.9	88.9	88.9	88.9
IV 1500	32.1	51.4	62.5	71.7	80.3	84.3	86.4	88.5	88.5	90.4	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	32.5	52.1	63.5	72.5	81.7	85.8	88.5	90.8	90.8	92.8	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	32.5	52.1	63.5	72.5	81.8	86.1	88.9	91.7	91.7	93.6	94.4	94.4	94.4	94.4	94.4	94.4
IV 900	32.5	52.1	63.5	72.5	81.9	86.4	89.1	92.1	92.1	94.3	95.1	95.1	95.1	95.1	95.1	95.1
IV 800	32.5	52.1	63.5	72.5	81.9	86.4	89.2	92.1	92.1	94.4	95.3	95.3	95.3	95.3	95.3	95.3
IV 700	32.5	52.1	63.5	72.5	82.1	86.5	89.4	92.5	92.5	95.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	32.5	52.1	63.5	72.5	82.2	86.7	89.6	92.8	92.8	95.7	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	32.5	52.1	63.5	72.6	82.4	86.8	90.0	93.2	93.2	96.4	97.8	97.8	97.8	97.8	97.8	97.8
IV 400	32.5	52.1	63.5	72.6	82.4	86.8	90.0	93.2	93.2	96.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	32.5	52.1	63.5	72.6	82.4	86.8	90.0	93.2	93.2	97.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	32.5	52.1	63.5	72.6	82.4	86.8	90.0	93.2	93.2	97.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	32.5	52.1	63.5	72.6	82.4	86.8	90.0	93.2	93.2	97.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	32.5	52.1	63.5	72.6	82.4	86.8	90.0	93.2	93.2	97.1	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 15ND AIR TERMINAL CA

YEARS 72-79

NGV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1990-1790  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	24.4	38.4	46.3	54.0	59.7	63.3	65.4	65.9	66.1	66.6	66.8	66.8	66.8	66.8	66.8	66.8
≥ 20000	26.8	40.9	49.2	57.3	63.1	66.8	68.8	69.4	69.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1
≥ 18000	27.4	41.0	49.4	57.4	63.3	66.9	69.0	69.5	69.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2
≥ 16000	27.4	41.4	50.1	58.1	64.1	67.7	69.8	70.4	70.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000	27.7	42.4	51.5	59.9	66.1	69.8	71.9	72.5	72.7	74.0	74.1	74.1	74.1	74.1	74.1	74.1
≥ 12000	30.4	45.8	55.4	63.7	70.0	73.7	75.8	76.4	76.6	78.0	78.2	78.2	78.2	78.2	78.2	78.2
≥ 10000	31.0	46.5	56.2	64.5	71.3	75.2	77.5	78.0	78.3	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 9000	31.4	46.9	56.6	65.0	71.9	75.9	78.2	78.7	79.0	80.4	80.5	80.5	80.5	80.5	80.5	80.5
≥ 8000	32.1	47.7	57.6	65.9	72.9	76.9	79.1	79.7	80.0	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥ 7000	34.4	50.6	60.6	69.1	76.1	80.1	82.3	82.9	83.2	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 6000	35.6	51.7	61.9	70.2	77.2	81.2	83.4	84.0	84.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	36.0	54.8	65.2	73.6	81.5	84.7	86.9	87.5	87.8	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	36.9	56.1	66.8	75.2	82.3	86.5	88.9	89.4	89.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4000	39.4	56.5	67.2	75.7	82.9	87.1	89.4	90.0	90.3	91.7	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3500	37.4	56.6	67.3	75.8	83.3	87.5	89.8	90.4	90.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3000	39.8	57.0	67.9	76.5	84.0	88.2	90.5	91.1	91.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	39.8	57.0	68.0	76.8	84.6	88.7	91.1	91.7	91.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	39.8	57.2	68.2	77.1	85.0	89.2	91.5	92.1	92.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1800	39.8	57.2	68.2	77.1	85.1	89.3	91.7	92.2	92.5	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	39.9	57.3	68.4	77.5	85.8	90.0	92.6	93.3	93.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	39.9	57.3	68.4	77.5	86.2	91.1	94.2	95.0	95.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	39.9	57.3	68.4	77.6	86.4	91.2	94.3	95.4	95.7	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	39.9	57.3	68.4	77.6	86.4	91.2	94.3	95.5	95.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	39.9	57.3	68.4	77.6	86.4	91.2	94.3	95.8	96.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	39.9	57.3	68.4	77.6	86.4	91.2	94.3	96.0	96.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	39.9	57.3	68.4	77.6	86.4	91.2	94.3	96.0	96.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	39.9	57.3	68.4	77.6	86.4	91.2	94.4	96.1	96.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	39.9	57.3	68.4	77.6	86.4	91.2	94.4	96.1	96.4	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	39.9	57.3	68.4	77.6	86.4	91.2	94.4	96.1	96.4	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	39.9	57.3	68.4	77.6	86.4	91.2	94.4	96.1	96.4	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	39.9	57.3	68.4	77.6	86.4	91.2	94.4	96.1	96.4	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	39.9	57.3	68.4	77.6	86.4	91.2	94.4	96.1	96.4	99.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 712

GLOBAL CLIMATOLOGY BRANCH  
SCAFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

100 STATION FRESNO AIR TERMINAL CA

72-79

YEARS

NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	24.7	35.4	47.2	58.1	65.6	66.1	66.9	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	25.3	37.1	49.2	60.1	67.9	68.6	69.4	69.9	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.3
IV 18000	25.3	37.1	49.2	60.1	67.9	68.6	69.4	69.9	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	25.7	37.5	49.7	60.7	68.5	69.2	70.0	70.4	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8
IV 14000	25.4	39.3	51.5	63.2	71.0	71.7	72.5	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 12000	25.3	41.7	54.6	66.3	73.9	74.4	75.3	75.7	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1
IV 10000	30.3	44.2	57.4	68.8	76.5	77.2	77.1	78.5	78.5	78.6	78.9	78.9	78.9	78.9	78.9	78.9
IV 9000	31.4	44.5	58.1	70.0	78.2	78.9	79.7	80.1	80.1	80.3	80.6	80.6	80.6	80.6	80.6	80.6
IV 8000	32.1	46.0	59.2	71.1	79.3	80.0	80.6	81.3	81.3	81.4	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	33.3	48.2	61.9	73.9	82.2	82.9	83.8	84.2	84.2	84.3	84.6	84.6	84.6	84.6	84.6	84.6
IV 6000	34.3	50.0	64.0	76.3	84.6	85.3	86.1	86.5	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9
IV 5000	34.7	51.3	65.3	77.6	86.1	86.8	87.6	88.1	88.1	88.2	88.5	88.5	88.5	88.5	88.5	88.5
IV 4500	35.4	52.1	66.1	78.9	87.5	88.2	89.0	89.4	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9
IV 4000	36.7	53.6	67.8	80.7	89.3	90.0	90.8	91.3	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500	36.7	53.8	67.9	80.8	89.4	90.1	91.0	91.4	91.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8
IV 3000	36.7	53.9	68.2	81.7	90.3	91.0	91.8	92.4	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	36.7	54.7	68.3	82.1	90.7	91.4	92.4	92.9	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3
IV 2000	36.7	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 800	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 600	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 500	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 400	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 300	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 200	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 100	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 0	36.9	54.7	68.3	82.2	90.8	91.5	92.5	93.1	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS 725

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1993 SCSNO AIR TERMINAL CA

72-79

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	22.1	33.1	43.5	53.1	62.8	72.1	84.3	85.4	85.4	86.0	86.4	86.4	86.5	86.5	86.5	86.7
≥20000	23.3	34.9	45.8	56.3	64.2	65.4	68.1	69.2	69.2	70.1	70.6	70.6	70.8	70.8	70.8	71.0
≥18000	23.3	34.9	45.8	56.3	64.2	65.4	68.1	69.2	69.2	70.1	70.6	70.6	70.8	70.8	70.8	71.0
≥16000	23.3	34.9	45.8	56.3	64.2	65.4	68.1	69.2	69.2	70.1	70.6	70.6	70.8	70.8	70.8	71.0
≥14000	24.7	36.1	47.1	57.5	65.8	67.1	69.7	70.8	70.8	71.9	72.4	72.4	72.6	72.6	72.6	72.8
≥12000	25.6	39.3	50.3	61.0	69.0	70.3	72.9	74.0	74.0	75.1	75.6	75.6	75.8	75.8	75.8	76.0
≥10000	27.6	41.4	52.4	63.1	71.1	72.4	75.3	76.1	76.1	77.2	77.6	77.6	77.9	77.9	77.9	78.1
≥9000	27.6	42.2	53.2	63.9	71.9	73.2	75.8	76.9	76.9	78.1	78.5	78.5	78.8	78.8	78.8	78.9
≥8000	28.1	42.6	53.6	64.3	72.4	73.6	76.3	77.4	77.4	78.5	78.9	78.9	79.2	79.2	79.2	79.3
≥7000	29.3	43.6	55.3	66.8	74.9	76.1	78.8	79.9	79.9	81.0	81.4	81.4	81.7	81.7	81.7	81.8
≥6000	31.4	46.0	57.5	69.3	77.5	78.8	81.4	82.5	82.5	83.6	84.0	84.0	84.3	84.3	84.3	84.4
≥5000	31.4	47.6	59.2	71.0	79.4	80.7	83.3	84.4	84.4	85.6	86.0	86.0	86.3	86.3	86.3	86.4
≥4500	32.1	48.9	60.6	72.4	80.8	82.1	84.7	85.5	85.8	86.9	87.4	87.4	87.6	87.6	87.6	87.8
≥4000	33.3	50.4	62.2	74.2	82.9	84.2	86.8	87.9	87.9	89.0	89.4	89.4	89.7	89.7	89.7	89.9
≥3500	33.3	51.0	62.8	74.9	83.8	85.0	87.6	88.8	88.8	89.9	90.3	90.3	90.6	90.6	90.6	90.7
≥3000	33.3	51.7	63.5	75.7	84.6	85.8	88.5	89.6	89.6	90.8	91.3	91.3	91.5	91.5	91.5	91.7
≥2500	33.3	51.7	63.5	75.7	84.6	85.8	88.5	89.6	89.6	90.8	91.3	91.3	91.5	91.5	91.5	91.7
≥2000	33.3	51.7	63.5	75.8	84.7	86.0	88.6	89.7	89.7	91.1	91.4	91.4	91.7	91.7	91.7	91.8
≥1800	33.3	51.7	63.5	75.8	84.9	86.1	88.9	90.0	90.0	91.3	91.7	91.7	91.9	91.9	91.9	92.1
≥1500	33.3	51.7	63.5	75.8	85.1	86.4	89.2	90.3	90.3	91.6	91.9	91.9	92.2	92.2	92.4	92.5
≥1200	33.3	51.7	63.5	76.1	86.0	87.2	90.0	91.1	91.1	92.4	92.6	92.6	93.1	93.1	93.2	93.3
≥1000	33.3	51.7	63.5	76.5	86.7	87.9	90.7	91.8	91.8	93.1	93.5	93.5	93.8	93.8	93.9	94.0
≥900	33.3	51.8	63.6	76.7	86.9	88.6	91.3	92.6	92.6	93.9	94.3	94.3	94.6	94.6	94.7	94.9
≥800	33.3	51.8	63.6	76.9	87.2	89.0	91.9	93.1	93.1	94.3	94.7	94.7	95.0	95.0	95.1	95.3
≥700	33.3	51.8	63.6	77.2	87.5	89.3	92.8	93.9	93.9	95.1	95.6	95.6	95.8	95.8	96.0	96.1
≥600	33.3	51.8	63.6	77.4	87.6	89.4	93.9	95.0	95.0	96.3	96.7	96.7	96.9	96.9	97.1	97.2
≥500	33.3	51.8	63.6	77.5	87.8	89.6	94.2	95.7	95.7	96.9	97.5	97.5	97.9	97.9	98.1	98.2
≥400	33.3	51.8	63.6	77.6	88.1	89.9	94.6	96.1	96.1	97.4	97.9	97.9	98.3	98.3	98.5	98.6
≥300	33.3	51.8	63.6	77.6	88.1	89.9	94.6	96.1	96.1	97.8	98.3	98.3	98.8	98.8	98.9	99.0
≥200	33.3	51.8	63.6	77.6	88.1	89.9	94.6	96.1	96.1	97.8	98.3	98.3	98.9	98.9	99.0	99.3
≥100	33.3	51.8	63.6	77.6	88.1	89.9	94.6	96.1	96.1	97.8	98.3	98.3	98.9	98.9	99.0	99.6
≥0	33.3	51.8	63.6	77.6	88.1	89.9	94.6	96.1	96.1	97.8	98.3	98.3	98.9	98.9	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

RESNO AIR TERMINAL CA

72-79

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	20.5	32.0	40.4	48.6	54.8	56.8	58.9	59.8	59.8	60.9	61.5	61.5	61.9	61.9	62.0	62.3
≥ 20000	1.3	34.1	42.7	51.6	57.9	60.0	62.2	63.2	63.2	64.5	65.2	65.2	65.6	65.6	65.8	66.1
IV 18000	2.1	34.3	42.7	51.9	58.2	60.3	62.5	63.5	63.6	64.9	65.6	65.6	66.0	66.0	66.1	66.5
IV 16000	2.3	34.5	43.3	52.2	58.6	60.8	63.0	64.0	64.0	65.4	66.0	66.0	66.4	66.4	66.6	66.9
IV 14000	23.3	35.9	44.9	54.3	60.6	62.8	65.1	66.1	66.1	67.5	68.2	68.2	68.6	68.6	68.8	69.1
IV 12000	24.5	36.7	47.7	56.2	62.8	65.3	67.4	68.4	68.4	69.8	70.5	70.5	70.9	70.9	71.1	71.4
IV 10000	25.8	39.3	48.4	57.6	64.5	66.7	69.2	70.1	70.2	71.6	72.3	72.3	72.7	72.7	72.9	73.2
IV 9000	26.4	40.2	49.3	58.5	65.5	67.7	70.2	71.1	71.2	72.6	73.3	73.3	73.7	73.7	73.9	74.2
IV 8000	26.9	40.9	51.0	59.3	66.2	68.5	71.0	71.9	72.0	73.4	74.1	74.1	74.5	74.5	74.7	75.0
IV 7000	26.9	42.7	52.2	61.5	68.6	70.8	73.3	74.3	74.3	75.7	76.4	76.4	76.8	76.8	77.0	77.4
IV 6000	29.4	44.1	53.5	63.2	70.2	72.5	75.1	76.1	76.1	77.5	78.2	78.2	79.6	78.6	78.8	79.2
IV 5000	30.4	45.8	55.3	65.1	72.3	74.6	77.1	78.2	78.2	79.6	80.3	80.3	80.7	80.7	80.9	81.3
IV 4500	31.3	46.7	56.3	66.2	73.5	75.8	78.4	79.3	79.5	80.9	81.6	81.6	82.0	82.0	82.2	82.6
IV 4000	32.3	47.8	57.6	67.6	75.0	77.3	80.0	81.1	81.1	82.5	83.2	83.2	83.6	83.7	83.8	84.2
IV 3500	32.5	48.3	58.1	68.1	75.6	78.0	80.6	81.8	81.8	83.2	83.9	83.9	84.3	84.3	84.5	84.9
IV 3000	33.1	49.1	59.2	69.2	76.7	79.2	81.9	83.1	83.1	84.6	85.3	85.3	85.7	85.7	85.9	86.2
IV 2500	33.4	49.5	59.6	69.6	77.6	80.1	82.9	84.1	84.2	85.6	86.3	86.3	86.7	86.7	86.9	87.3
IV 2000	33.5	49.6	59.7	70.1	77.8	80.3	83.2	84.5	84.6	86.1	86.8	86.8	87.3	87.3	87.5	87.8
IV 1800	33.5	49.6	59.8	70.3	78.0	80.5	83.4	84.7	84.8	86.5	87.1	87.1	87.6	87.6	87.8	88.1
IV 1500	33.6	49.6	60.0	70.6	78.5	81.3	84.2	85.5	85.6	87.3	88.0	88.0	88.4	88.4	88.6	89.0
IV 1200	33.7	49.9	60.3	71.1	79.4	82.1	85.4	86.9	87.3	88.6	89.3	89.3	89.8	89.8	90.0	90.3
IV 1000	33.7	49.9	60.3	71.3	79.8	82.5	85.9	87.5	87.6	89.4	90.1	90.1	90.5	90.5	90.7	91.1
IV 900	33.7	50.0	60.4	71.4	80.1	83.0	86.4	88.0	88.2	89.9	90.7	90.7	91.1	91.1	91.3	91.7
IV 800	33.7	50.0	60.4	71.5	81.3	83.2	86.7	88.5	88.6	90.4	91.1	91.1	91.5	91.6	91.8	92.1
IV 700	33.7	50.0	60.4	71.7	83.6	83.6	87.3	89.2	89.3	91.2	92.0	92.0	92.4	92.4	92.6	93.0
IV 600	33.7	50.0	60.5	71.8	80.8	83.8	87.8	89.8	89.9	92.0	92.8	92.8	93.2	93.2	93.4	93.8
IV 500	33.7	50.0	60.5	71.9	81.0	84.0	88.2	90.5	90.6	92.6	93.7	93.7	94.1	94.1	94.3	94.7
IV 400	33.7	50.0	60.5	72.0	81.3	84.3	88.6	90.9	91.0	93.5	94.5	94.5	95.0	95.0	95.2	95.6
IV 300	33.7	50.0	60.5	72.0	81.3	84.3	88.7	91.1	91.2	93.9	95.0	95.0	95.6	95.6	95.9	96.3
IV 200	33.7	50.0	60.5	72.0	81.3	84.4	88.8	91.1	91.2	94.1	95.4	95.4	96.1	96.1	96.6	97.1
IV 100	33.7	50.0	60.5	72.0	81.3	84.4	88.8	91.1	91.2	94.2	95.4	95.4	96.2	96.2	97.0	97.4
IV 0	33.7	50.0	60.5	72.0	81.3	84.4	88.8	91.1	91.2	94.2	95.4	95.4	96.2	96.2	97.0	97.4

TOTAL NUMBER OF OBSERVATIONS 5757

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

OLD AL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

193  
STATION

F-LSMO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0700  
HOURS - EST.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	11.3	15.7	21.6	26.5	39.1	40.6	47.0	49.2	49.3	51.5	51.7	51.5	52.4	52.4	53.4	54.7
≥ 20000	17.9	17.2	22.2	29.5	39.8	41.5	48.3	50.4	50.5	52.7	52.7	52.7	53.6	53.6	54.6	55.9
≥ 18000	10.7	17.2	22.2	29.5	37.8	41.5	48.3	50.4	50.5	52.7	52.7	52.7	53.6	53.6	54.6	55.9
≥ 16000	10.9	17.2	22.2	29.5	39.8	41.5	48.3	50.4	50.5	52.7	52.7	52.7	53.6	53.6	54.6	55.9
≥ 14000	11.2	15.4	23.4	31.7	41.1	42.9	49.5	51.7	51.9	54.0	54.2	54.2	55.1	55.1	56.0	57.4
≥ 12000	12.1	15.5	24.6	31.7	42.6	44.4	51.1	53.2	53.4	55.5	55.6	55.6	56.6	56.6	57.5	58.9
≥ 10000	12.5	15.9	25.3	32.7	44.2	46.0	52.7	55.0	55.1	57.3	57.5	57.5	58.5	58.5	59.4	60.8
≥ 9000	12.7	20.2	25.5	32.9	44.5	46.2	53.0	55.2	55.4	57.5	57.8	57.8	58.7	58.7	59.7	61.0
≥ 8000	12.9	23.2	25.5	33.2	44.8	46.5	53.2	55.5	55.6	57.8	58.1	58.1	59.0	59.0	59.9	61.3
≥ 7000	14.2	22.4	29.5	35.9	47.7	49.5	56.2	58.5	59.6	60.8	61.0	61.0	62.0	62.0	62.9	64.2
≥ 6000	15.7	24.1	30.2	37.6	49.6	51.3	58.3	60.6	60.8	62.9	63.2	63.2	64.1	64.1	65.1	66.4
≥ 5000	16.4	24.7	30.9	38.3	50.4	52.2	59.1	61.4	61.6	63.7	64.0	64.0	64.9	64.9	65.9	67.2
≥ 4500	16.9	25.3	31.5	38.8	51.1	53.1	60.3	62.6	62.8	64.9	65.2	65.2	66.1	66.1	67.1	68.4
≥ 4000	18.3	25.6	32.9	40.5	52.6	55.1	62.5	64.8	64.9	67.3	67.6	67.6	68.5	68.5	69.5	70.8
≥ 3500	16.4	26.9	33.2	40.9	53.5	55.8	63.3	65.6	65.7	68.3	68.5	68.5	69.5	69.5	70.4	71.8
≥ 3000	19.7	28.4	34.3	42.6	55.4	57.7	65.9	68.3	68.4	71.2	71.5	71.5	72.4	72.4	73.4	74.7
≥ 2500	19.1	28.6	35.2	43.4	55.3	56.6	66.8	69.2	69.5	72.4	72.7	72.7	73.7	73.7	74.6	75.9
≥ 2000	19.3	28.6	35.2	43.5	57.3	59.5	67.9	70.3	70.6	73.5	73.8	73.8	74.7	74.7	75.7	77.0
≥ 1800	19.0	28.6	35.3	43.7	57.4	59.7	68.4	71.0	71.2	74.2	74.5	74.5	75.4	75.4	76.3	77.7
≥ 1500	19.1	28.8	35.6	44.0	57.9	60.2	69.0	71.5	71.5	74.7	75.1	75.1	76.1	76.1	77.0	78.4
≥ 1200	19.1	28.8	35.6	44.8	59.4	61.7	70.4	73.4	73.7	76.7	77.2	77.2	78.1	78.1	79.0	80.4
≥ 1000	19.1	28.8	35.6	45.4	60.1	62.4	71.1	74.2	74.5	77.5	78.0	78.0	78.9	78.9	79.8	81.2
≥ 900	19.1	28.8	35.6	45.6	60.2	62.8	71.5	74.6	74.9	78.0	78.4	78.4	79.3	79.3	80.2	81.6
≥ 800	19.1	28.8	35.6	45.6	60.6	63.4	72.2	75.3	75.5	78.9	79.3	79.3	80.2	80.2	81.2	82.5
≥ 700	19.1	28.8	35.9	45.7	61.6	64.4	73.3	76.3	76.6	80.0	80.4	80.4	81.3	81.3	82.3	83.6
≥ 600	19.1	28.8	35.9	45.7	62.0	64.8	73.7	76.7	77.0	80.4	80.8	80.8	81.7	81.7	82.7	84.0
≥ 500	19.1	28.8	35.9	45.7	62.4	65.6	74.7	77.8	78.2	81.7	82.1	82.1	83.1	83.1	84.0	85.3
≥ 400	19.1	28.8	35.9	45.7	62.4	65.6	74.9	78.2	78.6	82.3	82.7	82.7	83.6	83.6	84.5	85.9
≥ 300	19.1	28.8	35.9	45.8	62.5	65.7	75.1	79.0	79.6	83.7	84.3	84.3	85.5	85.5	86.4	87.8
≥ 200	19.2	28.9	36.0	46.0	62.6	65.9	75.4	79.6	80.1	84.7	85.3	85.3	86.6	86.6	87.4	88.8
≥ 100	19.3	29.2	36.3	46.2	62.9	66.1	75.7	79.8	80.4	84.9	85.9	85.9	87.0	87.0	87.8	89.2
≥ 0	20.0	29.7	36.9	46.8	63.4	66.7	76.2	80.4	80.9	85.5	86.4	86.4	87.6	87.6	88.4	89.8

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 104W 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
A.4 WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

0190  
STATION

FRESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	10.4	16.2	20.5	27.9	35.3	35.9	40.5	43.5	43.6	46.5	47.1	47.1	47.9	47.9	48.3	49.1
IV 18000	10.4	16.6	20.9	29.3	35.9	36.9	41.9	45.6	45.6	48.6	49.1	49.1	49.9	49.9	50.3	51.1
IV 16000	10.4	16.6	20.9	29.3	35.9	36.9	41.9	45.6	45.6	48.6	49.1	49.1	49.9	49.9	50.3	51.1
IV 14000	10.4	17.4	21.7	29.1	36.6	37.7	42.7	46.4	46.4	49.4	49.9	49.9	50.7	50.7	51.1	52.0
IV 12000	11.5	18.2	22.5	29.9	37.7	38.8	43.7	47.5	47.5	50.5	51.5	51.5	52.0	52.0	52.4	53.2
IV 10000	12.5	19.7	24.1	31.5	39.7	40.8	45.8	49.8	49.8	52.8	53.4	53.4	54.4	54.4	54.8	55.6
IV 9000	12.5	19.7	24.1	31.5	39.7	40.8	45.8	49.8	49.8	52.8	53.4	53.4	54.4	54.4	54.8	55.6
IV 8000	12.5	20.1	24.5	31.9	40.2	41.3	46.3	50.3	50.3	53.3	54.0	54.0	54.9	54.9	55.3	56.1
IV 7000	13.3	21.1	25.7	33.5	42.3	43.3	48.3	52.3	52.3	55.3	56.1	56.1	57.1	57.1	57.5	58.3
IV 6000	13.3	22.1	26.4	34.5	43.2	44.3	49.3	53.3	53.3	56.3	57.6	57.6	58.5	58.5	59.0	59.8
IV 5000	14.5	23.1	27.9	35.7	44.9	45.6	50.9	55.3	55.3	58.3	59.1	59.1	60.2	60.2	60.6	61.4
IV 4500	14.7	23.9	28.5	36.3	45.2	46.4	52.1	56.5	56.5	59.5	60.3	60.3	61.4	61.4	61.8	62.6
IV 4000	15.3	24.6	29.9	37.7	46.6	47.9	53.6	58.0	58.0	61.1	61.9	61.9	63.0	63.0	63.4	64.2
IV 3500	15.6	25.4	31.1	38.6	47.6	49.1	55.0	59.5	59.5	62.7	63.5	63.5	64.6	64.6	65.0	65.8
IV 3000	16.3	26.5	32.4	40.4	49.5	50.9	57.5	62.0	62.0	65.3	66.1	66.1	67.2	67.2	67.6	68.4
IV 2500	16.3	26.9	32.8	40.9	50.3	51.7	58.3	63.0	63.0	66.5	67.3	67.3	68.4	68.4	68.8	69.6
IV 2000	16.4	27.1	33.1	41.3	50.9	52.4	59.5	64.2	64.2	68.1	68.9	68.9	70.0	70.0	70.5	71.3
IV 1800	16.4	27.1	33.3	41.3	50.9	52.4	59.5	64.3	64.3	68.2	69.0	69.0	70.1	70.1	70.7	71.5
IV 1500	16.4	27.1	33.4	41.5	51.4	52.9	60.3	65.0	65.0	69.0	69.9	69.9	71.2	71.2	71.7	72.5
IV 1200	16.7	27.7	34.1	43.2	53.4	54.9	62.7	67.5	68.2	71.9	72.7	72.7	74.0	74.0	74.6	75.4
IV 1000	16.7	28.0	34.3	43.5	54.1	55.6	63.5	68.6	69.0	72.7	73.5	73.5	74.8	74.8	75.4	76.2
IV 900	16.8	28.0	34.3	44.0	54.2	55.7	63.8	68.9	69.3	72.9	73.8	73.8	75.1	75.1	75.6	76.4
IV 800	16.8	28.1	34.3	44.1	54.5	56.0	64.2	69.3	69.7	73.4	74.2	74.2	75.5	75.5	76.0	76.9
IV 700	16.8	28.0	34.3	44.5	55.2	56.6	65.0	70.1	70.5	74.2	75.0	75.0	76.3	76.3	76.9	77.7
IV 600	16.8	28.1	34.5	44.8	55.5	57.3	65.7	70.6	71.2	74.8	75.6	75.6	77.0	77.0	77.5	78.3
IV 500	16.8	28.1	34.5	44.8	56.0	58.3	67.0	72.1	72.5	76.2	77.0	77.0	78.3	78.3	78.9	79.8
IV 400	16.8	28.1	34.5	45.1	56.4	59.0	67.8	72.9	73.4	77.3	78.1	78.1	79.4	79.4	79.9	80.9
IV 300	16.8	28.1	34.5	45.1	56.8	59.4	68.4	73.3	74.2	79.0	80.1	80.1	81.5	81.5	82.8	83.7
IV 200	16.8	28.1	34.5	45.1	56.8	59.4	68.4	74.0	74.4	79.4	81.4	81.6	83.8	83.8	85.3	86.3
IV 100	17.4	28.7	35.0	45.6	57.3	59.9	69.9	74.6	75.0	79.9	82.4	82.5	84.8	84.9	87.8	91.3
IV 0	17.4	29.1	35.4	46.0	57.7	60.3	69.3	75.0	75.4	80.3	82.8	82.9	85.2	85.3	88.2	90.0

TOTAL NUMBER OF OBSERVATIONS 743

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

197 STATION FRESNO AIR TERMINAL CA

72-79

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-0600  
2005-11-51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/20	≥0
NO CEILING	1.6	12.1	14.7	16.7	24.1	26.5	31.9	33.9	34.1	37.3	39.2	39.2	41.6	41.6	42.3	42.9
≥ 20000	9.2	12.9	15.6	19.5	25.2	27.7	33.1	35.3	35.3	38.8	40.9	40.8	43.3	43.3	44.1	45.0
IV 18000	9.2	12.9	15.6	19.5	25.2	27.7	33.5	35.7	35.8	39.2	41.2	41.2	43.7	43.7	44.5	45.4
IV 16000	9.2	12.9	15.6	19.5	25.2	27.7	33.5	35.7	35.8	39.3	41.3	41.3	43.9	43.9	44.7	45.6
IV 14000	9.3	13.6	16.3	20.6	26.4	28.9	34.9	37.1	37.3	40.3	42.8	42.8	45.4	45.4	46.2	47.2
IV 12000	10.3	14.5	17.7	21.5	27.0	30.0	36.2	38.8	38.9	42.4	44.4	44.4	47.0	47.0	47.8	48.9
IV 10000	11.2	15.9	18.5	23.0	27.0	31.5	37.7	40.4	40.5	44.0	46.3	46.3	48.9	48.9	49.8	50.9
IV 9000	11.4	16.3	19.1	23.5	29.6	32.3	38.5	41.2	41.3	45.0	47.4	47.4	49.9	50.1	50.9	52.0
IV 8000	11.4	16.4	19.2	23.7	29.7	32.4	38.5	41.3	41.5	45.1	47.6	47.6	50.2	50.3	51.1	52.2
IV 7000	12.7	17.2	20.3	24.9	31.1	33.6	40.0	42.7	42.8	46.6	49.1	49.1	51.7	51.8	52.6	53.7
IV 6000	12.4	18.0	21.3	25.8	32.0	34.7	41.0	43.7	43.9	47.8	50.3	50.3	52.9	53.0	53.8	54.9
IV 5000	12.3	19.3	22.2	26.9	33.1	35.8	42.1	44.8	45.2	49.3	51.5	51.5	54.1	54.2	55.0	56.1
IV 4500	13.2	19.7	23.3	28.1	34.3	37.0	43.6	46.3	46.4	50.5	53.0	53.0	55.6	55.7	56.5	57.6
IV 4000	14.3	20.9	24.5	29.7	36.2	39.0	45.3	48.6	48.7	52.6	55.5	55.5	58.0	58.1	59.0	60.0
IV 3500	14.8	21.4	25.2	30.4	37.1	40.0	46.7	49.5	49.7	53.7	56.7	56.7	59.2	59.4	60.2	61.2
IV 3000	15.6	22.2	25.7	31.4	38.4	41.2	48.0	50.9	51.0	55.0	58.1	58.1	60.7	60.8	61.6	62.7
IV 2500	16.7	22.9	26.5	32.0	39.2	42.0	48.9	51.8	52.0	56.3	59.5	59.5	62.0	62.2	63.0	64.1
IV 2000	16.2	23.1	26.6	32.4	39.7	42.5	49.5	53.3	53.2	57.6	61.0	61.0	63.5	63.7	64.5	65.5
IV 1800	16.2	23.1	26.6	32.4	39.7	42.5	49.5	53.3	53.2	57.6	61.0	61.0	63.5	63.7	64.5	65.5
IV 1500	16.2	23.0	26.6	32.7	40.2	43.5	50.7	54.2	54.4	58.6	62.4	62.4	65.0	65.1	65.9	67.0
IV 1200	16.2	23.1	27.1	33.1	40.3	44.3	51.7	55.5	55.6	60.3	64.1	64.1	66.6	66.8	67.6	68.6
IV 1000	16.3	23.8	27.7	33.6	41.6	45.4	53.0	56.8	56.9	61.5	65.5	65.5	68.1	68.2	69.0	70.1
IV 900	16.3	23.8	27.7	34.1	41.9	45.6	53.3	57.1	57.2	62.2	66.0	65.9	68.5	68.6	69.6	70.7
IV 800	16.4	23.9	27.5	34.2	42.4	46.2	54.0	57.7	57.7	62.9	66.8	66.8	69.4	69.6	70.5	71.6
IV 700	16.6	23.8	27.9	34.2	42.4	46.2	54.0	57.7	57.9	63.0	66.9	66.9	69.6	69.7	70.7	71.7
IV 600	16.6	23.8	27.9	34.5	43.2	47.2	55.5	59.5	59.6	64.7	68.6	68.6	71.3	71.5	72.4	73.5
IV 500	16.0	23.8	27.9	34.5	43.3	47.4	55.7	60.2	60.3	65.8	69.9	69.9	72.5	72.7	73.6	74.7
IV 400	16.6	23.8	28.1	34.7	43.9	48.2	56.5	61.4	61.6	68.0	72.5	72.5	75.4	75.5	76.6	77.7
IV 300	16.0	23.8	28.1	34.7	43.9	48.6	57.3	62.2	62.6	69.7	74.8	74.8	78.2	78.3	79.7	80.9
IV 200	15.6	23.8	28.3	34.7	43.9	48.6	57.3	62.2	62.6	70.1	76.2	76.2	80.8	80.9	82.9	84.1
IV 100	17.3	24.9	28.9	35.7	44.8	49.5	58.3	63.1	63.5	71.1	77.3	77.3	82.0	82.2	85.3	91.0
IV 0	15.2	25.3	29.5	36.2	45.4	53.1	58.8	63.7	64.1	71.6	77.5	77.6	82.5	82.8	85.9	100.0

TOTAL NUMBER OF OBSERVATIONS 743

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1957  
STATION  
FRESNO AIR TERMINAL CA

72-79

YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1102  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥3/16	≥1/8	≥0
NO CEILING	7.4	10.8	13.2	14.8	23.3	23.1	26.0	32.3	32.9	36.6	39.3	39.3	39.9	39.9	40.5	41.0
IV 20000	5.3	12.1	14.5	16.1	21.8	25.1	30.1	34.8	35.5	39.7	42.6	42.6	43.6	43.8	44.4	45.0
IV 18000	5.3	12.1	14.5	16.0	21.8	25.1	30.2	35.2	35.9	40.1	43.0	43.0	44.2	44.2	44.8	45.4
IV 16000	5.3	12.1	14.5	16.0	21.8	25.1	30.2	35.2	35.9	40.1	43.0	43.0	44.2	44.2	44.8	45.4
IV 14000	5.3	12.4	14.5	16.7	22.6	25.9	31.0	36.2	36.8	41.3	44.0	44.0	45.2	45.2	45.7	46.5
IV 12000	5.3	13.3	15.7	17.9	24.5	27.8	33.2	38.3	39.0	43.3	46.5	46.5	47.7	47.7	48.3	49.1
IV 10000	10.4	14.8	17.3	19.5	26.1	29.4	34.9	40.3	41.0	45.3	48.8	48.8	50.0	50.0	50.7	51.5
IV 9000	11.3	15.5	17.9	20.2	26.7	30.1	35.6	41.3	41.7	46.0	49.6	49.6	50.8	50.8	51.6	52.4
IV 8000	11.3	15.7	18.1	20.4	27.0	30.4	35.9	41.3	41.9	46.2	49.9	49.9	51.1	51.1	51.9	52.7
IV 7000	11.3	15.3	18.7	21.0	27.8	31.2	36.8	42.2	42.9	47.2	50.8	50.8	52.0	52.0	52.8	53.6
IV 6000	13.3	18.3	20.3	23.3	30.1	33.5	39.1	44.5	45.2	49.5	53.2	53.2	54.4	54.4	55.2	56.0
IV 5000	14.5	19.9	22.4	25.0	31.9	35.3	40.9	46.5	47.3	51.6	55.4	55.4	56.9	56.9	57.7	58.5
IV 4500	14.5	21.4	23.1	25.7	32.5	35.9	41.5	47.2	48.0	52.3	56.0	56.0	57.5	57.5	58.3	59.1
IV 4000	15.7	21.2	23.9	26.5	33.3	36.7	42.3	48.0	48.8	53.1	56.9	56.9	58.3	58.3	59.1	59.9
IV 3500	15.7	21.4	24.1	26.6	33.6	37.0	42.6	48.4	49.2	53.5	57.3	57.3	58.7	58.7	59.5	60.3
IV 3000	16.7	22.3	25.7	27.6	34.7	38.3	43.8	49.5	50.4	54.8	58.7	58.7	60.2	60.2	61.0	61.8
IV 2500	17.1	22.7	25.4	28.2	35.5	38.8	44.6	50.7	51.6	56.0	60.2	60.2	62.0	62.0	62.8	63.6
IV 2000	17.3	23.3	26.1	29.0	36.3	39.7	45.6	51.6	52.7	57.8	62.7	62.7	63.7	63.7	64.5	65.3
IV 1800	17.3	23.3	26.1	29.0	36.3	39.7	45.7	51.7	52.8	57.9	62.2	62.2	64.0	64.0	64.8	65.6
IV 1500	17.7	23.8	26.0	29.6	37.4	41.0	47.0	53.1	54.2	59.4	63.8	63.8	65.7	65.7	66.5	67.3
IV 1200	17.7	23.9	26.7	29.8	38.2	42.2	48.4	54.7	55.8	61.2	65.7	65.7	67.6	67.6	68.4	69.2
IV 1000	17.7	23.9	26.8	30.0	38.4	42.5	48.7	55.0	56.5	62.1	66.7	66.7	68.5	68.5	69.4	70.2
IV 900	17.9	24.1	27.2	30.2	39.0	43.0	49.9	56.2	57.7	63.4	68.0	68.0	69.9	69.9	70.7	71.5
IV 800	18.3	24.2	27.2	30.4	39.2	43.4	50.3	57.1	58.6	64.4	69.0	69.0	70.9	70.9	71.6	72.4
IV 700	18.3	24.5	27.7	30.8	39.9	44.4	51.7	58.7	60.2	66.3	71.4	71.4	73.3	73.3	74.1	74.9
IV 600	18.3	24.5	27.7	30.9	40.1	44.5	52.0	59.5	61.0	67.9	73.4	73.4	75.3	75.3	76.1	76.9
IV 500	18.3	24.5	27.8	31.0	40.3	45.0	52.7	60.5	62.0	69.5	75.5	75.5	77.7	77.7	78.5	79.3
IV 400	18.9	24.7	28.1	31.3	40.6	45.3	53.5	62.0	63.4	72.2	79.6	79.6	81.9	81.9	82.7	83.5
IV 300	18.9	24.7	28.1	31.3	40.6	45.3	53.6	62.1	63.6	73.1	82.4	82.4	86.2	86.2	87.2	88.4
IV 200	18.9	24.7	28.1	31.3	40.6	45.3	53.8	62.2	63.7	73.4	83.1	83.1	87.4	87.4	88.9	92.1
IV 100	19.1	25.2	28.8	31.9	41.1	45.8	54.3	62.9	64.2	73.9	83.6	83.6	87.9	87.9	89.0	94.9
IV 0	19.2	25.4	28.8	32.0	41.3	46.0	54.4	62.9	64.4	74.1	83.7	83.9	88.0	88.4	91.1	100.0

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
57102

STATION NAME  
FRESNO AIR TERMINAL CA

YEARS  
70-79

MONTH  
DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	11.5	15.7	19.8	22.6	25.8	32.1	35.6	42.9	43.3	46.1	47.2	47.2	47.2	47.2	47.2	47.2
≥20000	13.4	17.5	21.4	24.5	31.5	35.3	42.6	47.7	43.1	51.2	52.7	52.7	53.0	53.0	53.0	53.0
≥18000	13.4	17.5	21.4	24.6	31.6	35.6	42.9	48.0	48.4	51.5	53.0	53.0	53.2	53.2	53.2	53.2
≥16000	13.4	17.5	21.5	24.6	31.7	35.8	43.0	48.1	48.5	51.6	53.1	53.1	53.4	53.4	53.4	53.4
≥14000	13.7	17.7	21.8	25.0	32.4	36.4	44.0	49.2	49.6	53.0	54.4	54.4	54.7	54.7	54.7	54.7
≥12000	14.1	19.1	23.7	27.0	34.2	39.0	46.9	52.3	52.4	55.8	57.3	57.3	57.5	57.5	57.5	57.5
≥10000	15.7	20.2	24.7	28.1	36.6	40.9	48.8	54.3	54.6	58.1	59.7	59.7	59.9	59.9	59.9	59.9
≥9000	16.2	20.5	25.5	28.9	37.4	41.7	49.6	55.1	55.6	59.1	60.5	60.5	61.0	61.0	61.0	61.0
≥8000	17.3	22.2	26.8	30.2	38.8	43.3	51.3	56.9	57.4	60.9	62.5	62.5	62.8	62.8	62.8	62.8
≥7000	18.3	23.7	28.5	31.9	40.5	44.9	53.0	58.5	59.0	62.5	64.1	64.1	64.4	64.4	64.4	64.4
≥6000	19.5	25.1	30.3	33.5	42.2	46.6	54.8	60.5	61.0	64.5	66.1	66.1	66.4	66.4	66.4	66.4
≥5000	20.3	26.1	31.7	34.5	43.4	48.1	56.5	62.1	62.6	66.1	67.7	67.7	68.0	68.0	68.0	68.0
≥4500	20.5	26.5	32.2	35.5	44.5	49.2	57.5	63.2	63.7	67.2	68.8	68.8	69.1	69.1	69.1	69.1
≥4000	20.8	27.7	32.8	36.3	45.3	50.0	58.3	64.1	64.7	68.1	69.8	69.8	70.0	70.0	70.0	70.0
≥3500	22.3	28.9	34.3	37.5	46.8	51.7	60.1	65.9	66.4	69.9	71.5	71.5	71.8	71.8	71.8	71.8
≥3000	22.4	29.3	34.5	38.2	47.6	52.6	61.0	66.8	67.3	70.8	72.4	72.4	72.7	72.7	72.7	72.7
≥2500	22.7	29.8	34.9	38.8	48.8	53.8	62.2	68.0	68.5	72.0	73.7	73.7	73.9	73.9	73.9	73.9
≥2000	23.1	30.0	35.5	39.9	50.4	55.4	63.8	69.6	70.3	73.8	75.4	75.4	75.7	75.7	75.7	75.7
≥1800	23.1	30.2	35.8	40.5	51.2	56.3	64.8	70.6	71.2	74.7	76.3	76.3	76.6	76.6	76.6	76.6
≥1500	23.3	30.3	36.5	41.4	53.1	58.5	67.5	73.3	73.9	77.6	79.2	79.2	79.4	79.4	79.4	79.4
≥1200	23.5	31.2	37.1	42.1	54.6	60.2	69.9	75.5	76.5	80.4	82.3	82.3	82.5	82.5	82.5	82.5
≥1000	23.5	31.3	37.5	42.6	55.6	61.4	71.6	76.2	76.9	82.8	84.9	84.9	85.2	85.2	85.2	85.2
≥900	23.7	31.3	37.6	42.9	56.5	62.4	72.7	79.4	80.1	84.3	86.7	86.7	87.0	87.0	87.0	87.0
≥800	23.7	31.5	37.8	43.1	56.7	62.6	73.1	80.1	80.8	85.8	88.2	88.2	88.4	88.4	88.4	88.4
≥700	23.9	31.5	37.8	43.1	56.9	62.8	73.8	81.0	81.7	87.4	90.1	90.1	90.3	90.3	90.3	90.3
≥600	23.7	31.5	37.8	43.3	57.0	63.3	74.6	82.1	83.1	89.4	92.1	92.1	92.3	92.3	92.3	92.3
≥500	23.9	31.9	37.9	43.3	57.0	63.4	74.9	82.9	84.1	90.9	94.5	94.5	95.3	95.3	95.3	95.3
≥400	23.9	31.9	37.9	43.3	57.0	63.6	75.3	83.5	84.7	91.7	95.0	95.0	95.9	95.9	95.9	95.9
≥300	23.9	31.9	37.9	43.3	57.0	63.6	75.3	83.6	84.8	91.9	96.9	97.0	98.4	98.4	98.7	98.7
≥200	23.9	31.9	37.9	43.3	57.0	63.6	75.3	83.6	84.8	91.9	96.9	97.0	98.4	98.7	99.3	99.5
≥100	23.9	31.9	37.9	43.3	57.0	63.6	75.3	83.6	84.8	91.9	96.9	97.0	98.4	98.7	99.6	100.0
≥0	23.9	31.9	37.9	43.3	57.0	63.6	75.3	83.6	84.8	91.9	96.9	97.0	98.4	98.7	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
METAC  
ATMOSPHERIC SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION ESNO AIR TERMINAL CA

72-79

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
LOCAL TIME

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	17.8	22.2	25.7	29.8	37.4	41.7	48.8	52.2	52.2	54.5	55.6	55.6	55.6	55.6	55.8	55.8
≥20000	19.8	24.1	27.6	31.7	40.3	45.8	53.5	57.3	57.3	59.9	61.2	61.2	61.2	61.2	61.3	61.3
≥18000	19.8	24.1	27.6	31.7	40.3	45.8	53.5	57.3	57.3	59.9	61.2	61.2	61.2	61.2	61.3	61.3
≥16000	19.8	24.1	27.6	31.7	40.3	45.8	53.5	57.3	57.3	59.9	61.2	61.2	61.2	61.2	61.3	61.3
≥14000	21.0	24.3	27.8	32.1	41.4	46.8	54.4	58.3	59.0	61.3	62.8	62.8	62.8	62.8	62.9	62.9
≥12000	21.0	24.3	27.8	32.1	41.4	46.8	54.4	58.3	59.0	61.3	62.8	62.8	62.8	62.8	62.9	62.9
≥10000	21.0	24.3	27.8	32.1	41.4	46.8	54.4	58.3	59.0	61.3	62.8	62.8	62.8	62.8	62.9	62.9
≥9000	22.3	27.2	30.9	36.2	46.9	53.3	61.2	65.3	66.1	68.5	70.4	70.4	70.4	70.4	70.6	70.6
≥8000	22.3	27.2	30.9	36.2	46.9	53.3	61.2	65.3	66.1	68.5	70.4	70.4	70.4	70.4	70.6	70.6
≥7000	22.3	27.2	30.9	36.2	46.9	53.3	61.2	65.3	66.1	68.5	70.4	70.4	70.4	70.4	70.6	70.6
≥6000	25.5	31.0	35.6	40.9	52.2	59.0	67.3	71.5	72.3	74.9	76.9	76.9	76.9	76.9	77.0	77.0
≥5000	25.5	31.0	35.6	40.9	52.2	59.0	67.3	71.5	72.3	74.9	76.9	76.9	76.9	76.9	77.0	77.0
≥4500	27.2	32.9	37.5	42.7	54.0	60.9	69.4	73.5	74.3	76.9	78.9	78.9	78.9	78.9	79.0	79.0
≥4000	27.2	32.9	37.5	42.7	54.0	60.9	69.4	73.5	74.3	76.9	78.9	78.9	78.9	78.9	79.0	79.0
≥3500	27.2	32.9	37.5	42.7	54.0	60.9	69.4	73.5	74.3	76.9	78.9	78.9	78.9	78.9	79.0	79.0
≥3000	27.2	32.9	37.5	42.7	54.0	60.9	69.4	73.5	74.3	76.9	78.9	78.9	78.9	78.9	79.0	79.0
≥2500	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥2000	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥1800	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥1500	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥1200	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥1000	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥900	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥800	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥700	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥600	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥500	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥400	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥300	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥200	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥100	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2
≥0	28.4	34.9	39.8	45.7	57.4	64.2	73.5	77.7	78.5	81.0	83.1	83.1	83.1	83.1	83.2	83.2

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC 100-  
14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 1800-2000  
PERCENTAGE OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

72-76

DEC

1800-2000  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥⅑	≥0
NO CEILING	14.5	20.2	24.4	31.3	33.7	52.6	55.3	56.3	56.4	57.9	58.0	58.0	58.4	58.4	58.4	58.5
≥ 20000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 18000	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 16000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 14000	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 12000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 10000	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 9000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 8000	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 7000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 6000	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 5000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 4500	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 4000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 3500	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 3000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 2500	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 2000	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 1800	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 1600	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 1400	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 1200	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 1000	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 900	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 800	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 700	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 600	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 500	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 400	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 300	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 200	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 100	17.1	21.9	25.4	35.2	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8
≥ 0	15.1	20.5	25.4	38.3	52.9	54.9	57.6	58.5	58.7	60.2	60.2	60.2	60.7	60.7	60.7	60.8

TOTAL NUMBER OF OBSERVATIONS 743

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

STATION  
104

FRESNO AIR TERMINAL CA  
STATION NAME

72-73  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	14.3	14.3	21.2	30.2	42.2	50.7	50.4	52.2	53.1	54.9	55.4	55.4	56.6	56.7	57.0	57.7
≥ 20000	14.3	19.1	22.1	31.3	43.4	46.1	51.9	54.3	54.6	56.3	56.9	56.9	58.1	58.2	58.5	59.2
≥ 18000	14.3	19.1	22.1	31.3	43.4	46.1	51.9	54.3	54.6	56.3	56.9	56.9	58.1	58.2	58.5	59.2
≥ 16000	15.2	19.1	22.2	31.4	43.5	46.2	52.0	54.4	54.7	56.5	57.0	57.0	58.2	58.4	58.6	59.3
≥ 14000	15.2	19.7	22.8	31.9	45.3	47.7	53.9	56.3	56.6	58.5	59.0	59.0	60.2	60.4	60.6	61.3
≥ 12000	15.2	20.1	23.3	32.6	46.0	48.7	55.3	57.8	58.1	60.0	60.5	60.5	61.7	61.9	62.1	62.8
≥ 10000	15.2	20.5	23.7	33.6	46.9	49.6	56.3	58.9	59.2	61.1	61.6	61.6	62.8	62.9	63.2	63.9
≥ 9000	16.2	20.9	24.1	34.1	47.4	50.1	56.9	59.4	59.7	61.9	62.4	62.4	63.6	63.7	64.0	64.7
≥ 8000	16.2	21.7	24.9	35.2	48.5	51.2	58.0	60.5	60.8	62.9	63.5	63.5	64.7	64.8	65.1	65.8
≥ 7000	16.2	22.1	25.6	35.8	49.5	52.2	58.9	61.5	61.7	63.9	64.4	64.4	65.6	65.8	66.0	66.7
≥ 6000	17.5	23.2	26.7	37.2	51.2	53.9	60.6	63.2	63.5	65.6	66.2	66.2	67.4	67.5	67.8	68.5
≥ 5000	18.1	24.7	28.3	38.8	53.0	55.8	62.3	65.4	65.6	67.8	68.3	68.3	69.5	69.7	69.9	70.6
≥ 4500	19.9	25.6	29.2	39.8	53.9	56.7	63.7	66.3	66.6	68.7	69.3	69.3	70.5	70.6	70.9	71.6
≥ 4000	20.3	27.4	31.4	41.9	56.2	58.9	65.7	68.7	69.5	71.2	71.7	71.7	72.9	73.0	73.3	74.0
≥ 3500	20.3	27.6	31.8	42.6	56.9	59.7	66.5	69.5	69.8	72.1	72.6	72.6	73.9	74.0	74.3	74.9
≥ 3000	21.3	28.4	33.6	44.3	59.2	62.1	69.9	72.6	72.8	75.2	75.7	75.7	77.0	77.1	77.4	78.0
≥ 2500	21.6	29.6	33.8	45.1	60.0	62.9	73.8	73.5	73.7	76.1	76.7	76.7	77.9	78.0	78.3	79.0
≥ 2000	1.7	30.1	34.4	45.7	61.1	64.0	72.7	74.7	74.9	77.9	78.4	78.4	79.6	79.8	80.1	80.7
≥ 1800	1.8	30.1	34.5	46.0	61.3	64.3	72.2	74.9	75.2	78.3	78.8	78.8	80.1	80.2	80.5	81.1
≥ 1500	2.1	30.2	34.5	46.2	62.3	65.2	73.2	76.0	76.3	79.4	80.3	80.3	81.5	81.7	81.9	82.6
≥ 1200	2.1	30.3	34.5	47.3	63.2	66.2	74.3	77.1	77.4	80.5	81.4	81.4	82.5	82.7	83.0	83.7
≥ 1000	2.1	30.5	34.5	47.6	63.7	67.0	75.1	77.9	78.2	81.3	82.2	82.2	83.4	83.6	83.8	84.5
≥ 900	2.1	30.5	34.7	47.7	64.2	67.5	75.6	78.4	78.7	81.8	82.7	82.7	84.0	84.1	84.4	85.0
≥ 800	2.1	30.5	34.9	47.8	64.7	68.3	76.5	79.4	79.6	82.7	83.7	83.7	84.9	85.0	85.3	86.0
≥ 700	2.1	30.5	34.9	48.0	65.6	69.3	77.6	80.5	80.7	83.8	84.9	84.9	86.1	86.3	86.5	87.2
≥ 600	2.1	30.5	34.9	48.1	66.0	69.7	78.2	81.0	81.3	84.4	85.4	85.4	86.7	86.8	87.1	87.7
≥ 500	2.1	30.5	34.9	48.4	66.6	70.2	78.8	81.8	82.1	85.6	86.7	86.7	87.9	88.0	88.3	88.9
≥ 400	2.1	30.5	34.9	48.5	67.4	71.2	79.8	83.3	83.6	87.2	88.3	88.3	89.5	89.6	89.9	90.6
≥ 300	2.1	30.5	34.9	48.5	67.5	71.3	80.5	84.2	84.6	88.4	89.6	89.6	91.0	91.1	91.5	92.2
≥ 200	2.1	30.5	34.9	48.5	67.5	71.3	80.5	84.2	84.6	88.7	90.3	90.3	92.3	92.5	93.3	94.1
≥ 100	2.1	30.5	34.9	48.5	67.5	71.3	80.5	84.2	84.6	88.7	90.3	90.3	92.9	93.0	93.9	96.6
≥ 0	2.1	30.7	35.2	48.8	67.8	71.6	80.7	84.5	84.9	88.9	90.6	90.6	93.1	93.3	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS 742

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR PLAT-ER SERVICE/MAC

## CEILING VERSUS VISIBILITY

195  
STATION

195  
STATION NAME

72-79  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CLOUDS ≥200	11.3	10.5	20.2	25.1	34.7	37.2	42.6	45.4	45.7	48.2	49.1	49.1	50.0	50.0	50.3	50.9
IV 18000	12.7	17.5	21.2	27.3	36.3	39.1	44.8	48.0	48.3	50.9	52.7	52.0	52.9	52.9	53.3	53.9
IV 16000	12.7	17.5	21.2	27.3	36.4	39.2	45.0	48.1	48.4	51.1	52.2	52.2	53.1	53.1	53.5	54.0
IV 14000	13.3	18.1	21.5	28.0	37.4	40.3	46.2	49.4	49.7	52.4	53.6	53.6	54.5	54.5	54.9	55.5
IV 12000	13.3	18.9	22.7	29.2	39.0	41.9	48.0	51.3	51.6	54.4	55.6	55.6	56.5	56.6	57.0	57.6
IV 10000	14.5	20.0	23.4	30.7	40.8	43.8	49.9	53.3	53.7	56.5	57.8	57.8	58.8	58.8	59.2	59.8
IV 9000	14.5	20.5	24.4	31.2	41.4	44.4	50.7	54.1	54.5	57.3	58.7	58.7	59.6	59.7	60.1	60.7
IV 8000	15.2	20.9	24.9	31.8	42.1	45.1	51.3	54.8	55.1	58.0	59.4	59.4	60.3	60.4	60.8	61.4
IV 7000	15.4	22.3	25.5	33.4	43.0	47.0	53.3	56.8	57.1	60.0	61.4	61.4	62.4	62.4	62.8	63.4
IV 6000	17.3	23.6	28.0	35.0	45.6	48.7	55.1	58.7	59.0	61.9	63.3	63.3	64.3	64.3	64.7	65.3
IV 5000	18.3	24.4	29.3	36.4	47.0	50.2	56.7	60.2	60.6	63.5	64.9	64.9	65.9	66.0	66.4	67.0
IV 4500	18.7	25.6	30.0	37.2	48.0	51.2	57.8	61.3	61.7	64.6	66.1	66.1	67.0	67.1	67.5	68.1
IV 4000	19.5	26.5	31.2	38.4	49.2	52.5	59.2	62.8	63.2	66.2	67.6	67.6	68.6	68.7	69.1	69.7
IV 3500	19.5	27.1	31.8	39.2	50.1	53.5	60.2	63.9	64.2	67.2	68.6	68.6	69.7	69.8	70.2	70.8
IV 3000	20.3	28.0	32.9	40.3	51.5	54.8	61.9	65.6	66.0	69.0	70.6	70.6	71.6	71.6	72.0	72.6
IV 2500	20.5	28.5	33.4	41.1	52.5	55.8	62.9	66.7	67.1	70.2	71.8	71.8	72.9	72.9	73.3	73.9
IV 2000	20.7	28.7	33.8	41.8	53.6	57.0	64.2	68.1	68.5	71.9	73.5	73.5	74.5	74.5	75.0	75.6
IV 1800	20.7	28.8	33.9	42.0	53.9	57.3	64.7	68.6	69.0	72.4	74.1	74.1	75.1	75.1	75.6	76.2
IV 1500	20.9	29.0	34.4	42.7	54.0	58.5	66.0	69.9	70.4	73.8	75.6	75.6	76.6	76.7	77.1	77.7
IV 1200	20.9	29.2	34.7	43.3	56.0	59.8	67.6	71.7	72.2	75.8	77.7	77.7	78.8	78.8	79.3	79.9
IV 1000	21.3	29.4	34.9	43.7	56.7	60.6	68.5	72.7	73.2	77.0	78.9	78.9	80.0	80.0	80.5	81.1
IV 900	21.3	29.4	34.9	43.9	57.1	61.0	69.1	73.4	73.9	77.9	79.8	79.8	80.9	81.0	81.4	82.0
IV 800	21.7	29.4	35.0	44.1	57.4	61.5	69.8	74.1	74.7	78.8	80.8	80.8	81.9	81.9	82.4	83.0
IV 700	21.1	29.5	35.1	44.3	58.0	62.1	70.7	75.1	75.7	80.0	82.3	82.3	83.4	83.4	83.9	84.5
IV 600	21.1	29.5	35.1	44.4	58.3	62.6	71.3	75.9	76.6	81.2	83.5	83.5	84.6	84.6	85.1	85.7
IV 500	21.1	29.5	35.1	44.5	58.6	63.1	72.0	76.8	77.5	82.5	85.0	85.0	86.2	86.3	86.7	87.4
IV 400	21.1	29.5	35.1	44.6	58.9	63.4	72.5	77.6	78.3	83.7	86.5	86.5	87.8	87.8	88.3	88.9
IV 300	21.1	29.5	35.1	44.6	59.0	63.6	72.8	78.1	78.9	84.7	88.0	88.0	89.7	89.8	90.4	91.1
IV 200	21.1	29.6	35.2	44.6	59.3	63.6	72.9	78.2	79.0	85.0	88.6	88.7	90.8	90.9	92.0	92.9
IV 100	21.4	29.9	35.5	44.9	59.3	63.9	73.2	78.5	79.3	85.3	89.1	89.1	91.4	91.5	93.2	95.8
IV 0	21.7	30.1	35.7	45.2	59.6	64.2	73.5	78.8	79.6	85.6	89.3	89.4	91.6	91.8	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 5947

LOCAL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION 1 ESNO AIR TERMINAL CA

72-80

ALL

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥1/8	≥0
NO CEILING	55.4	62.0	64.8	67.5	69.9	70.5	71.4	71.9	72.5	72.4	72.6	72.6	72.7	72.7	72.8	72.9
≥20000	57.9	64.7	67.7	70.5	73.1	73.7	74.8	75.3	75.4	75.9	76.1	76.1	76.2	76.2	76.3	76.5
IV 18000	58.1	64.9	67.9	70.7	73.3	74.0	75.0	75.6	75.6	76.1	76.3	76.3	76.5	76.5	76.6	76.7
IV 16000	58.2	65.1	68.1	71.0	73.5	74.2	75.3	75.8	75.9	76.4	76.6	76.6	76.7	76.7	76.8	77.0
IV 14000	59.1	66.2	69.3	72.2	74.8	75.5	76.6	77.1	77.2	77.7	77.9	77.9	78.1	78.1	78.2	78.3
IV 12000	60.4	67.7	70.8	73.8	76.5	77.2	78.3	78.9	78.9	79.5	79.7	79.7	79.9	79.9	80.0	80.1
IV 10000	61.5	69.1	72.2	75.3	78.1	78.8	79.9	80.5	80.6	81.1	81.4	81.4	81.5	81.5	81.6	81.5
IV 9000	62.1	69.7	72.9	76.0	78.8	79.6	80.7	81.3	81.4	81.9	82.0	82.2	82.3	82.3	82.4	82.6
IV 8000	62.3	70.3	73.5	76.6	79.5	80.3	81.4	82.0	82.1	82.6	82.9	82.9	83.0	83.0	83.1	83.3
IV 7000	62.3	71.6	75.1	78.3	81.2	81.9	83.1	83.8	83.8	84.4	84.6	84.6	84.8	84.8	84.9	85.0
IV 6000	64.5	73.1	76.4	79.7	82.6	83.4	84.6	85.3	85.3	85.9	86.1	86.1	86.3	86.3	86.4	86.5
IV 5000	66.0	74.4	77.9	81.1	84.1	84.9	86.1	86.8	86.8	87.4	87.7	87.7	87.8	87.8	87.9	88.1
IV 4500	66.7	75.3	78.9	82.1	85.1	85.9	87.1	87.8	87.9	88.4	88.7	88.7	88.9	88.9	89.0	89.1
IV 4000	67.5	76.3	79.9	83.2	86.3	87.1	88.4	89.1	89.1	89.7	90.0	90.0	90.2	90.2	90.3	90.4
IV 3500	67.9	76.8	80.5	83.8	86.9	87.8	89.1	89.8	89.8	90.4	90.7	90.7	90.9	90.9	91.0	91.1
IV 3000	68.4	77.6	81.3	84.7	87.9	88.8	90.1	90.8	90.8	91.5	91.7	91.7	91.9	91.9	92.0	92.2
IV 2500	68.8	78.1	81.8	85.4	88.6	89.4	90.8	91.5	91.6	92.2	92.5	92.5	92.7	92.7	92.8	92.9
IV 2000	69.0	78.3	82.2	85.8	89.1	89.9	91.3	92.1	92.1	92.8	93.1	93.1	93.2	93.3	93.4	93.5
IV 1800	69.0	78.4	82.3	85.9	89.2	90.1	91.5	92.2	92.3	93.0	93.2	93.2	93.4	93.4	93.5	93.7
IV 1500	69.1	78.5	82.4	86.1	89.5	90.4	91.9	92.6	92.7	93.4	93.7	93.7	93.8	93.8	94.0	94.1
IV 1200	69.2	78.7	82.6	86.4	89.9	90.8	92.3	93.2	93.2	93.9	94.3	94.3	94.4	94.4	94.5	94.7
IV 1000	69.3	78.7	82.7	86.5	90.1	91.0	92.6	93.5	93.6	94.3	94.6	94.6	94.8	94.8	94.9	95.1
IV 900	69.3	78.8	82.8	86.6	90.2	91.2	92.8	93.7	93.8	94.6	94.9	94.9	95.1	95.1	95.2	95.4
IV 800	69.3	78.8	82.8	86.7	90.3	91.3	93.0	93.9	94.0	94.8	95.1	95.1	95.3	95.3	95.4	95.6
IV 700	69.3	78.8	82.8	86.7	90.4	91.4	93.2	94.2	94.3	95.1	95.5	95.5	95.7	95.7	95.8	96.0
IV 600	69.3	78.8	82.9	86.8	90.5	91.6	93.4	94.4	94.5	95.4	95.9	95.9	96.1	96.1	96.2	96.3
IV 500	69.3	78.8	82.9	86.8	90.6	91.7	93.6	94.7	94.8	95.8	96.3	96.3	96.5	96.5	96.6	96.8
IV 400	69.3	78.8	82.9	86.9	90.7	91.8	93.8	95.0	95.1	96.1	96.7	96.7	96.9	96.9	97.1	97.2
IV 300	69.3	78.8	82.9	86.9	90.7	91.9	93.9	95.1	95.2	96.4	97.1	97.1	97.4	97.4	97.6	97.7
IV 200	69.3	78.8	82.9	86.9	90.7	91.9	93.9	95.1	95.3	96.5	97.3	97.3	97.7	97.7	98.0	98.2
IV 100	69.3	78.9	82.9	86.9	90.8	91.9	94.0	95.2	95.3	96.5	97.3	97.3	97.8	97.8	98.2	99.1
IV 0	69.3	78.9	82.9	87.0	90.8	91.9	94.0	95.2	95.3	96.6	97.3	97.4	97.8	97.8	98.3	99.0

TOTAL NUMBER OF OBSERVATIONS 72103

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS  
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED  
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: VALUES IN THE OTHER ELITES WERE AS REPORTED  
FROM SYNOPTIC DATA REPORTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

95193 FRESNO AIR TERMINAL CA

73-80

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	30.9			6.9						7.6	54.5	6.3	721
	03-05	27.8	.4		7.5	.7	.3	.6		2.2	5.8	54.8	6.5	724
	06-08	18.4			10.0						11.3	60.3	7.3	723
	09-11	15.2	1.4		7.8	.4	.3	.4		1.3	13.3	59.5	7.6	735
	12-14	14.1			12.1						19.4	54.5	7.6	738
	15-17	16.1	2.8		13.9	1.2	.8			3.9	16.5	44.8	6.8	741
	18-20	27.5			13.3						12.8	46.4	6.2	743
	21-23	31.2	.8		9.3	1.4		.5		.3	6.3	51.2	6.1	734
TOTALS		22.7	.7		10.0	.5	.2	.2		1.0	11.6	53.3	6.8	5859

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

FEB

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	42.5			14.3						7.4	35.9	4.7	666
	03-05	35.7	.6		11.4	.4		.3		2.4	7.0	42.2	5.4	669
	06-08	20.8			12.9						16.9	49.5	6.9	669
	09-11	16.7	1.3		11.2	1.0	.9	1.0		3.1	15.1	49.6	7.1	676
	12-14	14.6			17.9						21.3	46.2	7.1	676
	15-17	17.4	2.1		16.2	1.3	.7	1.2		2.9	19.2	38.9	6.5	678
	18-20	27.6			20.2						15.0	37.1	5.7	673
	21-23	40.1	.9		14.7	1.3	.1	.4		1.6	6.7	34.1	4.7	675
TOTALS		26.9	.6		14.9	.5	.2	.4		1.3	13.6	41.7	6.0	5382

**USAFETAC**

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

MAR

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	46.1			13.2						9.1	31.6	4.4	744
	03-05	40.4	1.1		10.1	.8	.3	.2		1.7	9.8	35.0	4.9	743
	06-08	25.6			18.4					.1	17.3	38.6	6.0	741
	09-11	25.5	2.4		15.4	1.2	.5	.8		3.5	16.5	34.1	5.8	741
	12-14	17.5			21.4						28.0	33.1	6.5	737
	15-17	19.2	1.6		18.4	1.3	1.3	1.5		2.8	20.4	33.5	6.2	741
	18-20	29.2			21.8						18.0	31.0	5.4	744
	21-23	42.1	1.5		14.4	1.5	1.1	1.1		1.6	12.4	24.5	4.3	744
TOTALS		30.7	.8		16.6	.6	.4	.5		1.2	16.4	32.7	5.4	5935

## SKY COVER

APR

MONTH

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JPF	00-02	61.1			12.5						7.8	18.6	2.9	720
	03-05	56.4	.3		12.9	.8	.1	1.0		1.9	7.9	18.6	3.2	720
	06-08	43.7			16.9	.1					15.2	24.1	4.3	718
	09-11	38.2	2.8		16.6	.6	.8	.7		3.1	16.1	21.1	4.4	719
	12-14	31.5			22.1						23.6	22.8	5.1	720
	15-17	29.9	3.9		18.1	1.3	1.0	1.3		2.8	20.3	21.6	5.0	719
	18-20	41.0			24.3						14.2	20.6	4.1	720
	21-23	57.1	.3		13.9	1.0	.6	.4		1.9	9.0	15.2	3.1	720
TOTALS		44.9	.9		17.2	.5	.3	.4		1.2	14.3	20.4	4.0	5756

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

93193 FRESNO AIR TERMINAL CA

73-80

MAY

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	74.1			10.8						5.2	9.9	1.8	744
	03-05	64.7	1.9		13.7	1.1	.7	.4		1.2	7.4	9.0	2.2	744
	06-08	57.5			16.3						14.2	9.9	2.8	744
	09-11	56.6	3.3		14.8	.4	.3	.3		2.2	11.2	11.4	2.8	744
	12-14	52.0			21.0						15.3	11.7	3.2	744
	15-17	48.1	4.3		17.7	.9	.9	.7		3.4	12.6	11.6	3.3	744
	18-20	51.1			25.1						13.7	10.1	3.0	744
	21-23	69.4	.8		12.0	1.2	.4	.8		1.6	5.2	8.6	1.9	744
TOTALS		59.2	1.2		16.7	.5	.3	.3		1.1	10.6	10.3	2.6	5952

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

JUN

## STATION

STATION NAME

**PERIOD**

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	81.4			9.7						5.4	3.5	1.1	720
	03-05	72.6	1.4		12.1	.4		.7		1.1	7.2	4.4	1.6	720
	06-08	64.6			17.9						10.0	7.5	2.2	720
	09-11	66.1	1.5		12.1	.6	1.1	.7		2.4	9.4	6.1	2.1	720
	12-14	61.5			27.7						10.6	7.2	2.3	720
	15-17	61.6	2.4		14.2	.7	.8	1.1		1.7	9.3	8.2	2.4	719
	18-20	64.5			14.0						14.5	7.0	2.4	719
	21-23	74.9	.6		15.1	1.0	.1	1.0		1.7	7.8	2.9	1.5	720
TOTALS		63.4	.7		13.9	.3	.3	.4		.9	9.3	5.9	2.0	5758

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

JUL

STATION

STATION NAME

PERIOD

North

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	84.3			6.9						5.5	3.4	1.0	744
	03-05	79.7	.8		7.7	.5	.3	.5		1.1	6.6	2.6	1.3	743
	06-08	77.6			12.9						6.6	3.0	1.3	744
	09-11	79.4	2.4		8.3	.3	.5	.7		1.3	6.0	.9	1.1	744
	12-14	79.8			10.6						7.3	2.3	1.2	744
	15-17	75.8	1.6		10.5	.5	.4	.4		1.2	6.5	3.1	1.4	744
	18-20	73.8			14.9						7.8	3.5	1.5	744
	21-23	80.4	.7		9.4	.5	.3	.5		.5	3.5	4.2	1.1	744
TOTALS		78.9	.7		10.2	.2	.2	.3		.5	6.2	2.9	1.2	5951

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

AUG

## STATIONS

STATION NAME

ME02

160111

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	60.2			9.9						4.6	4.7	1.2	744
	03-05	75.3	.4		9.2	.5	.1	.5		1.3	5.0	4.6	1.4	743
	06-08	71.6			13.7						8.0	6.7	.6	742
	09-11	71.6	1.3		11.7	.9	.5	.4		.8	7.7	5.0	1.7	744
	12-14	72.5			12.6						9.5	5.2	1.8	744
	15-17	69.1	2.4		12.5	.4	.4	.3		1.2	6.8	4.9	1.8	742
	18-20	70.2			16.6						9.3	3.9	1.7	741
	21-23	70.9	.9		9.2	.9	.1	.5		.8	4.6	3.0	1.1	741
TOTALS		74.3	.6		11.9	.3	.1	.2		.5	7.2	4.8	1.6	5941

FORM  
FE 64FORM  
FD-44

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

SEP

WASH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	76.7			12.2						5.0	6.1	1.4	720
	03-05	76.3	.7		15.0	.6	.1	.3		1.3	5.0	5.8	1.5	720
	06-08	68.3			16.1						8.1	7.5	2.0	720
	09-11	66.9	2.2		11.9	.7	.7	1.0		1.1	7.6	7.8	2.1	720
	12-14	67.4			13.8						12.2	6.7	2.2	720
	15-17	64.0	3.8		11.5	.6	.4	.1		2.1	11.7	5.8	2.2	719
	18-20	66.1			15.6						12.9	5.4	2.2	720
	21-23	71.8	1.3		13.5	1.1	1.0	.6		.8	5.1	4.9	1.6	720
TOTALS		69.7	1.0		13.1	.4	.3	.3		.7	8.5	6.3	1.9	5759



## SKY COVER

**CCT**

STATION

**TRAINING NAME**

**ME03**



MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	66.9			13.7						5.4	11.0	2.3	738
	03-05	67.1	.7		13.1	.9	.4	.3		1.3	6.2	10.0	2.1	742
	06-08	53.6			16.9						17.2	12.3	3.3	733
	09-11	50.9	2.0		14.8	.7	.7	.8		3.5	13.9	12.7	3.4	742
	12-14	50.3			18.2						17.1	14.4	3.5	742
	15-17	49.2	2.6		16.3	.9	1.1	.9		2.2	15.3	12.5	3.5	743
	18-20	54.9			16.1						15.9	13.1	3.2	741
	21-23	63.4	.9		10.7	.7	.5	.5		2.0	10.0	11.2	2.6	741
TOTALS		56.9	.8		15.0	.4	.3	.3		1.1	13.0	12.2	3.0	5922

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

72-79

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	30-02	46.9			11.1						10.1	32.0	4.4	685
	03-05	44.6	1.0		11.7	.9		.3		1.4	6.2	34.0	4.5	695
	06-08	26.8			12.7						15.2	45.3	6.3	586
	09-11	24.2	.9		12.2	.7	.9	1.4		3.3	14.9	41.5	6.3	703
	12-14	24.9			19.7						19.9	35.5	5.9	710
	15-17	28.6	2.0		18.6	1.1	.6	1.1		2.5	16.1	29.5	5.3	716
	18-20	42.0			15.4						14.5	28.1	4.6	715
	21-23	46.3	.4		12.9	1.1	.3	.6		2.4	8.8	27.1	4.2	704
TOTALS		35.5	.5		14.3	.5	.2	.4		1.2	13.2	34.1	5.2	5614

**USAFETAC**FORM 0-9-5 (OL A)  
JUN 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

DEC

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	38.7			8.1						5.3	47.9	5.5	677
	03-05	35.4			7.7	.1	.1	.3		.7	4.9	50.8	5.8	701
	06-08	25.7			8.4						7.5	58.3	6.8	677
	09-11	21.6	1.0		7.2	.8	.4	.6		2.1	9.7	56.7	7.0	713
	12-14	23.6			9.3						17.4	49.7	6.8	720
	15-17	25.6	2.2		11.6	1.1	.7	.7		2.2	14.1	41.9	6.1	731
	18-20	32.8			13.2						14.6	39.4	5.7	698
	21-23	38.0	.4		10.5	.6	.7	.7		.9	5.2	43.0	5.3	695
TOTALS		30.2	.5		9.5	.3	.2	.3		.7	9.8	48.5	6.1	5612

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

93193 FRESNO AIR TERMINAL CA

72-80

ALL

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	22.7	.7		10.0	.5	.2	.2		1.0	11.6	53.3	6.8	5859
FEB		26.9	.6		14.9	.5	.2	.4		1.3	13.6	41.7	6.0	5382
MAR		30.7	.8		16.6	.6	.4	.5		1.2	16.4	32.7	5.4	5935
APR		44.9	.9		17.2	.5	.3	.4		1.2	14.3	23.4	4.0	5756
MAY		59.2	1.2		16.7	.5	.3	.3		1.1	10.6	10.3	2.6	5952
JUN		68.4	.7		13.9	.3	.3	.4		.9	9.3	5.9	2.0	5758
JUL		76.9	.7		10.2	.2	.2	.3		.5	6.2	2.9	1.2	5951
AUG		74.3	.6		11.9	.3	.1	.2		.5	7.2	4.8	1.6	5941
SEP		69.7	1.0		13.1	.4	.3	.3		.7	8.5	6.3	1.9	5759
OCT		56.9	.8		15.0	.4	.3	.3		1.1	13.0	12.2	3.0	5922
NOV		35.5	.5		14.3	.5	.2	.4		1.2	13.2	34.1	5.2	5614
DEC		30.2	.5		9.5	.3	.2	.3		.7	9.8	48.5	6.1	5612
TOTALS		49.9	.8		13.6	.4	.3	.3		1.0	11.1	22.8	3.3	69441

USAFETAC

FORM  
JUL 64 0 9-5 (O1 A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
  - b. Extreme minimum temperature
- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OL A to present these data may result in differences not exceeding  $\pm 1^{\circ}$  F from directly converted values but excludes no Fahrenheit values.

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) ‡ indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

YEARS

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

AIR WEATHER SERVICE/MAC

93193 FRESNO AIR TERMINAL CA

STATION

STATION NAME

50-80

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80							.1						.0
75						.5	2.3	1.0					.3
70						4.0	14.7	8.1	1.0				2.4
65					1.8	16.9	45.5	29.6	10.8	.3			8.9
60	.1			.3	10.6	43.1	82.4	69.2	36.9	4.5	.4	.1	20.9
55	.6	1.0	1.1	5.9	34.8	76.9	97.6	95.1	72.3	21.0	2.1	.4	34.4
50	3.6	6.6	10.4	30.8	73.6	96.2	100.0	99.9	95.2	50.5	10.3	4.1	48.7
45	15.0	24.4	32.2	64.1	93.3	99.9		100.0	99.3	81.2	30.3	12.3	63.0
40	33.4	49.2	65.2	91.6	99.5	100.0			99.9	94.8	61.1	29.7	77.2
35	60.1	77.7	90.2	98.9	100.0				100.0	99.2	86.0	59.0	89.3
30	70.8	86.1	95.5	99.8						99.6	92.6	70.6	92.9
25	84.0	96.6	99.4	100.0						99.7	98.3	85.9	97.0
20	97.0	100.0	100.0							100.0	100.0	99.2	99.7
15	99.9											100.0	100.0
10	100.0												100.0
5													
0													
-5													
-10													
-15													
-20													
-25													
-30													
-35													
-40													
-45													
-50													
-55													
-60													
-65													
-70													
-75													
-80													
MEAN	36.7	39.7	42.0	46.5	52.7	56.0	64.1	62.1	57.8	49.6	41.4	36.5	49.3
S D	7.081	6.356	5.650	5.162	5.380	5.64	4.940	4.903	5.242	5.967	6.235	6.583	11.202
TOTAL OBS	961	876	961	930	961	930	961	961	900	930	900	930	11201

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

STATION 93193 FRESNO AIR TERMINAL CA

50-80

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95							.1						.0
90						1.0	3.0	1.5	.1				.5
85					.6	9.5	26.0	14.5	3.3				4.6
80					5.1	27.7	66.9	48.9	17.8	1.1			14.2
75				1.5	16.7	52.6	90.3	82.4	48.0	7.0			25.4
70			.2	9.5	41.3	78.3	99.2	95.7	79.1	22.7	.1		35.6
65			4.1	28.5	67.6	94.8	100.0	99.8	96.2	50.8	2.6		45.7
60	1.1	4.8	19.8	54.2	87.3	99.4		100.0	99.6	79.8	17.7	1.4	55.7
55	8.1	24.0	50.1	79.9	98.1	100.0			100.0	95.7	42.3	7.2	67.4
50	25.0	57.3	80.3	96.2	100.0					99.4	72.7	23.7	79.6
45	54.6	89.0	96.7	99.9						99.9	94.6	56.1	90.9
40	86.0	99.3	99.8	100.0						100.0	99.8	86.6	97.6
35	98.4	100.0	100.0								100.0	98.6	99.7
30	100.0											100.0	100.0
25													
20													
15													
10													
5													
0													
MEAN	45.7	50.7	54.5	60.5	68.0	75.2	81.3	79.1	74.2	64.9	53.6	45.7	62.8
S D	5.791	5.590	5.639	6.495	6.951	6.801	4.778	5.143	5.596	6.254	5.882	5.598	13.656
TOTAL OBS	961	676	961	930	561	930	951	961	900	930	900	930	11201

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION 50-20 FRESNO AIR TERMINAL CA

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50	71	74	80	94	102	109	109	107	107	97	85	71	109
51	63	72	83	93	103	99	127	104	103	93	85	62	107
52	67	73	82	92	99	100	103	102	103	93	84	67	103
53	73	75	83	89	92	99	105	101	103	96	82	65	105
54	72	74	74	94	98	108	106	100	97	97	80	72	108
55	59	72	81	81	97	101	102	104	111	94	85	71	111
56	67	65	80	87	93	107	106	100	100	91	85	69	107
57	63	73	80	90	92	108	103	102	102	87	75	67	108
58	66	76	70	94	94	99	104	103	102	98	80	76	104
59	71	74	81	89	95	126	103	104	100	97	79	71	123
60	71	67	89	88	97	106	110	105	100	91	80	64	110
61	64	75	77	91	97	110	110	103	100	99	81	65	110
62	63	64	78	95	92	106	104	104	101	93	83	73	106
63	65	74	72	82	97	104	103	104	107	95	76	54	107
64	63	70	82	93	96	110	107	105	98	95	74	70	110
65	61	75	80	93	100	99	104	103	92	96	62	55	104
66	65	75	89	93	100	108	108	106	101	92	88	62	108
67	64	76	75	69	104	107	108	106	101	90	84	63	108
68	69	75	85	93	99	106	103	105	100	87	73	63	102
69	64	67	87	87	99	96	105	103	103	90	82	71	105
70	70	75	87	84	102	106	106	106	103	95	83	64	109
71	64	72	81	92	94	103	105	108	105	96	78	61	108
72	57	75	90	93	102	109	111	105	102	90	75	64	111
73	65	68	70	93	104	108	106	104	95	91	79	65	109
74	75	74	76	90	104	105	107	104	102	94	76	65	107
75	67	75	79	79	100	101	106	103	99	92	76	54	106
76	69	72	80	91	103	105	104	102	102	90	84	63	105
77	66	79	81	91	101	107	106	105	104	92	76	67	107
78	68	71	81	82	100	105	106	109	101	100	80	61	109
79	61	70	80	85	100	106	109	111	105	95	79	75	111
MEAN													
S.D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88 5 (OLA)

4 (AT LEAST ONE DAY LESS THAN 24 OBS)

# (AT LEAST ONE DAY LESS THAN 24 HRS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

5193 FRESNO AIR TERMINAL CA

53-80

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR.	APR	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50	21	25	28	40	38	46	57	51	37	41	37	30	21
51	23	28	27	37	42	47	51	54	50	37	32	25	25
52	24	29	30	40	42	47	55	56	49	44	28	31	24
53	31	26	26	32	40	46	55	54	50	38	34	27	26
54	27	32	33	39	41	46	56	53	48	38	30	25	25
55	24	28	31	34	42	44	50	53	49	39	31	31	26
56	32	27	30	38	43	48	51	53	52	34	30	25	25
57	24	29	34	42	47	52	58	51	54	41	33	30	24
58	30	33	32	38	46	51	56	63	50	45	27	29	27
59	28	29	39	45	42	50	57	51	47	40	35	27	25
60	23	34	33	39	44	55	58	51	50	40	34	25	23
61	22	33	34	37	44	53	55	51	48	34	27	26	22
62	28	26	33	43	44	48	57	55	52	44	30	23	23
63	19	38	34	34	44	49	54	54	56	41	34	27	19
64	25	26	29	33	38	48	53	54	48	44	29	30	25
65	29	29	39	42	36	48	53	55	45	37	33	25	25
66	29	30	26	39	48	48	54	49	48	36	33	26	25
67	20	31	33	37	40	49	59	59	57	40	33	21	21
68	28	37	37	33	41	50	58	52	41	43	31	25	25
69	31	31	30	37	42	54	54	53	51	37	28	24	24
70	24	32	35	35	43	52	59	57	45	33	34	30	24
71	22	29	27	37	44	45	54	57	43	29	31	26	22
72	24	26	31	36	46	52	57	54	45	27	35	23	23
73	24	35	34	37	43	50	56	51	51	42	30	33	24
74	29	32	33	39	44	54	52	54	51	45	33	25	25
75	23	30	32	32	36	47	53	54	53	35	26	23	23
76	23	33	32	35	47	47	53	53	50	41	28	26	20
77	30	31	30	40	44	54	57	59	51	41	27	33	27
78	33	36	40	39	45	55	56	55	49	37	33	25	25
79	28	33	36	42	43	53	57	58	53	41	32	26	26
MEAN													
S. D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

92193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

5-43

YEARS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
80	32	34	35	42	42	52	59	58					
MEAN	26.1	30.9	32.2	37.6	42.6	49.7	55.3	54.5	46.6	38.5	31.3	26.5	24.0
S.D.	3.697	3.632	3.497	3.333	2.952	3.145	2.493	3.232	4.384	4.437	2.352	3.067	1.956
TOTAL OBS.	761	878	961	930	961	930	961	961	900	930	900	930	11201

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88.5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 CBS)

## PSYCHROMETRIC SUMMARY

**YEARS**

**MONITOR**

PAGE 11

0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-27

JAN

YEARS

PAGE 1

0300-0200

**MOORE (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**JAN**  
**MONTH**

PAGE 1

0600-0830  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 393C-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JAN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

62193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

73-80

YEARS

JAN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
74/ 73								.1										1	1						
72/ 71							.1											1	1						
70/ 69									.1									1	1						
68/ 67						.3		.7										7	7						
66/ 65			.1			.1	1.1	.7										15	15						
64/ 63		.7	.4	1.2	.7	1.1	.9	.4										40	40	1					
62/ 61			1.5	1.2	.5	1.3	.4											37	37	5	5				
60/ 59		.1	1.9	3.8	1.6	.7	.4											63	63	11					
58/ 57		1.3	1.7	2.4	2.3	.9	.1											66	66	27	5				
56/ 55		1.2	4.2	3.5	2.4	.3	.1											83	83	45	11				
54/ 53		1.3	3.8	3.7	1.3	1.1	.3											80	80	85	44				
52/ 51		1.6	3.5	1.6	1.1	1.3	.3											68	68	96	45				
50/ 49		2.4	2.6	2.2	1.6	.8	.5											75	75	93	61				
48/ 47		2.7	4.7	2.6	.9	.7	.1											27	27	79	79				
46/ 45	.1	2.3	3.2	1.1	.8	.1												57	57	71	70				
44/ 43	.4	3.4	1.2	.4														40	40	92	86				
42/ 41		1.2	.5															13	13	77	89				
40/ 39		.9	.4															10	10	40	72				
38/ 37																				21	56				
36/ 35																				1	50				
34/ 33																					21				
32/ 31																					21				
30/ 29																					18				
28/ 27																					4				
26/ 25																					9				
24/ 23																					7				
22/ 21																					4				
20/ 19																					1				
TOTAL	.5	19.2	22.7	22.0	13.3	8.7	4.4	1.9	.1									744	744	744	744				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X				
Rel. Hum.	3741222		51500		69.2		15.407		744		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F				
Dry Bulb	2133305		39553		53.2		6.414		744						1.3		.1								
Wet Bulb	1739744		35746		48.0		5.479		744																
Dew Point	1391087		31729		42.6		7.147		744		Σ 0 F														

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

73-67

**YEARS**

JAN  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-82

**YEARS**

JAN  
MONTH

PAGE 1

2100-2300  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION FRESNO AIR TERMINAL CA

73-80

YEARS

JAN  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL																	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																			
74/ 73								.0	.0									3	3																					
73/ 71							.0	.0										2	2																					
72/ 69							.0	.0	.0									2	2																					
71/ 67						.0	.0	.1										9	9																					
66/ 65		.0	.1	.0	.1	.1	.2	.1										32	32																					
64/ 62		.0	.1	.3	.2	.2	.2	.1										75	75																					
62/ 61	.0	.4	.3	.4	.3	.3	.1											96	96	18	13																			
60/ 59	.0	.5	.7	.9	.5	.3	.1											166	166	44	23																			
58/ 57	.0	.8	1.3	.8	.6	.2	.1											221	221	73	28																			
56/ 55	.0	1.5	2.2	1.0	.8	.1	.0											321	321	160	46																			
54/ 53	.1	2.0	2.1	1.1	.5	.2	.1											353	353	282	144																			
52/ 51	.4	2.9	1.0	.8	.4	.3	.1											405	405	420	223																			
50/ 49	.5	4.2	1.8	.7	.4	.3	.1											475	475	484	349																			
48/ 47	.9	5.7	2.2	.9	.4	.2	.0											602	602	531	524																			
46/ 45	1.3	6.3	2.0	.5	.3	.0												621	621	652	541																			
44/ 43	1.3	5.7	1.5	.3	.1													532	532	642	541																			
42/ 41	1.7	5.7	.7	.2	.1													500	500	681	617																			
40/ 39	2.2	4.9	.7	.2														471	471	566	751																			
38/ 37	1.5	3.5	.4	.1														341	341	454	522																			
36/ 35	1.5	2.1	.3	.0														235	235	331	502																			
34/ 33	.9	2.2	.1															195	195	214	337																			
32/ 31	.6	1.5	.1															128	128	177	250																			
30/ 29	.5	.7	.1															77	77	96	193																			
28/ 27	.7	.3																55	55	76	160																			
26/ 25	.1	.2																21	21	23	90																			
24/ 23	.1	.1																11	11	19	38																			
22/ 21	.0	.0																3	3	4	31																			
20/ 19																				1	21																			
18/ 17																					2																			
TOTAL	14.4	51.2	18.6	6.2	4.2	2.1	1.0	.3	.1									5952		5952		5952																		
																						5952		5952																
Element (X)	Σx'		Σx		Σ		Σa		No. Obs.		Mean No. of Hours with Temperature																													
Rel. Hum.	42354949		495541		63.3		13.584		5952		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	12932719		273205		45.9		8.119		5952			36.9	2.0	.4			744																							
Wet Bulb	11527746		258612		43.4		6.995		5952			49.5					744																							
Dew Point	10176234		242304		40.7		7.265		5952			98.1					744																							

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

FEB  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

FILE

PAGE 1      0360-0500  
                (MAY 1987)

[illegible]



## PSYCHROMETRIC SUMMARY

7-2-83

**YEARS**

**SECRET**

PAGE 1

0620-2800

HOURS (L, S, T)

[illegible]

## PSYCHROMETRIC SUMMARY

14-00000

**YEARS**

**FEE**

PAGE 1 0900-1100  
NIMS (L. S. I.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

479

**SECRET**

PAGE 1

1293-1490  
NORRIS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

53193 PESNO AIR TERMINAL CA

7 -80

YEARS

FEB  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
79/ 79										.7	.1							6	6						
78/ 77									.3	.4								5	5						
76/ 75									.9									6	6						
74/ 73								.4	.3		.3	.1						8	8						
72/ 71						.7	.3	.4	.1	.3								13	13						
70/ 69					.4	.6	.9	1.2	1.0	.3								30	30						
68/ 67					.6	.7	2.7	1.3	1.3	1.0	.1							53	53						
66/ 65					1.3	1.6	2.9	1.2	1.0									55	55						
64/ 63			.4	.7	2.1	3.2	.7	.7	.1									56	56						
62/ 61		.1	.7	1.8	3.7	3.4	2.5	.6										88	88	13					
60/ 59			1.2	2.2	4.6	3.7	.9	.3	.1									84	84	32					
58/ 57		.9	2.1	3.4	3.8	1.3	.3	.1	.1									82	82	46	6				
56/ 55		.7	1.8	2.2	2.7	.5	.3											56	56	86	15				
54/ 53	.1	1.3	2.1	1.6	1.0	1.2												50	50	131	22				
52/ 51		2.1	1.3	1.2	1.3	.5												44	44	128	28				
50/ 49	.6	.7	1.5	.3														21	21	121	98				
48/ 47		.6	.6	.1														9	9	48	21				
46/ 46		.7	.3															7	7	42	108				
44/ 43		.3																2	2	23	71				
42/ 41	.1	.1																2	2	7	75				
40/ 39	.1																	1	1	1	62				
38/ 37																					41				
36/ 35																					14				
34/ 33																					21				
32/ 31																					22				
30/ 29																					8				
28/ 27																					2				
26/ 23																					4				
TOTAL	1.0	7.7	12.1	13.6	25.9	17.0	12.1	6.2	5.8	2.7	.9	.1						678	678	678	678				

USAFETAC FORM 0-26-5 (OL A) JUL 64

## PSYCHROMETRIC SUMMARY

**YEARS**

FER  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-82

**YEARS**

FEB  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

90193 FRESNO AIR TERMINAL CA

73-80

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
79/ 79										.1	.5							6	6					
78/ 77										.1	.1							7	7					
76/ 75										.2								9	9					
74/ 73									.1	.1	.0	.0	.0					15	15					
72/ 71							.2	.1	.1	.0	.1							24	24					
73/ 69					.1	.1	.3	.3	.1	.0								52	52					
66/ 67				.0	.1	.4	.6	.3	.2	.2	.0							97	97					
66/ 65				.0	.3	.6	.8	.3	.2	.0								122	122					
64/ 63			.1	.2	.8	.9	.4	.2	.1	.0								148	148					
62/ 61		.2	.4	.8	1.5	.8	.6	.2	.0									234	234	19				
60/ 59		.1	.9	1.3	1.2	1.0	.4	.1	.0									263	263	65				
58/ 57		.7	1.5	2.3	1.5	.5	.1	.0	.0									365	365	129 12				
56/ 55		1.5	2.6	2.0	1.0	.4	.1											399	399	305 57				
54/ 53	.2	2.6	3.3	1.4	.6	.3	.0											443	443	454 114				
52/ 51	.3	4.1	3.0	1.1	.5	.1												495	495	649 260				
50/ 49	.9	5.2	2.5	.8	.2	.0												508	508	747 595				
48/ 47	1.4	5.3	1.7	.7	.2													501	501	669 677				
46/ 45	1.6	5.1	1.5	.3														461	461	652 745				
44/ 43	.7	4.8	1.2	.1														369	369	467 605				
42/ 41	1.2	3.6	.6	.0														299	299	440 594				
40/ 39	1.5	2.6	.3															236	236	537 571				
38/ 37	1.2	2.1	.1															183	183	212 492				
36/ 35	.5	1.5	.0															113	113	143 246				
34/ 33	.2	.8	.0															54	54	97 236				
32/ 31	.0	.3																19	19	29 126				
30/ 29		.0																2	2	8 63				
28/ 27																				2 12				
26/ 25																					9			
24/ 23																					6			
TOTAL	9.6	40.1	10.7	10.9	7.9	5.2	3.4	1.6	1.0	.5	.1	.0						5424	5424	5424				
Element (X)	Σ x <sup>2</sup>			Σ x			x̄			s <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature							Total	
Rel. Hum.	34224255			420663			77.6			17.174			5424			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb	14373802			275492			50.8			8.384			5424				2.6	26.0	4.6			672		
Wet Bulb	12164559			254829			47.0			5.955			5424				4.8					672		
Dew Point	10300894			234298			43.2			5.762			5424				26.9					672		

## PSYCHROMETRIC SUMMARY

73-80

MAF  
MONTH

PAGE 1 0000-5200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

MAP  
MONTH

PAGE 1      0300-0500  
HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

73-20

**YEARS**

MAF  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

MAC

**MONTH**

PAGE 1

3900-1100  
HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93193 FRESNO AIR TERMINAL CA

73-80

YEARS

MAP  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
75/ 79								.1	.1		.1							3	3				
74/ 77							.3	.3		.4	.1	.3						10	10				
76/ 75							.4	.7	.5	.3	.3	.1	.3					19	19				
74/ 73						.7	.9	.7	.5	.1		.3		.3				24	24				
72/ 71						1.2	1.7	.4	.2	.1	.1							34	34				
70/ 69					.7	1.5	.2	1.1	.2	.7	.3							43	43				
68/ 67				.3	.9	1.7	1.5	2.4	1.1	.5								63	63				
66/ 65				.3	1.2	1.3	1.5	1.2	.7	.7								51	51	5			
64/ 63			.5	.4	3.6	2.6	3.1	.9	.5	.3								89	89	14			
62/ 61			.4	2.0	3.5	2.6	2.2	1.2	.1	.1								91	91	39			
60/ 59			.7	.5	1.9	2.6	1.5	.9	.3									62	62	45	1		
58/ 57			1.2	1.6	2.2	2.2	.7	1.6	.1									76	76	49	15		
56/ 55		.4	1.3	1.6	3.0	1.2	.4	.3										61	61	88	29		
54/ 53		.4	2.3	1.9	1.6	.4	.4	.1										53	53	111	37		
52/ 51		.4	1.7	.7		.3												23	23	106	49		
50/ 49		.4	.4	1.1		.1												15	15	106	67		
48/ 47		.1	.5	.3														7	7	81	61		
46/ 45		.4	.9	.1														11	11	47	73		
44/ 43		.1	.5															5	5	32	76		
42/ 41		.3	.1															3	3	15	78		
40/ 39																				4	74		
38/ 37																					56		
36/ 35																					29		
34/ 33																					29		
32/ 31																					17		
30/ 29																					20		
28/ 27																					15		
26/ 25																					9		
24/ 23																					3		
22/ 21																					2		
20/ 19																					2		
TOTAL		2.6	10.8	10.8	19.4	16.4	15.3	12.0	5.7	3.2	.9	.7	.3					743	743		743		
																		743		743			
Element (X)	Σx²		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	2274751		39417		53.1		15.732		743		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total
Dry Bulb	2869496		45562		61.7		7.217		743						24.5		7.0						93
Wet Bulb	2052245		38655		52.3		5.235		743														93
Dew Point	1429841		32101		43.2		7.606		743				5.6										93

2032 FORM 0-26-5 (OL A) REVISIO 11-19-60 (EDITION OF 1-1-60) AIR OBSOLETE  
USAFETAC

## PSYCHROMETRIC SUMMARY

73-60

**YEARS**

445

## MINIMUM

PAGE 1

1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

YEAR  
MONTH

PAGE 2

1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93193 F-ESNO AIR TERMINAL CA 73-80 MAR 1965-2000  
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1 1305-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
76/ 75										.3								2	2						
74/ 73						.3	.1				.1							4	4						
72/ 71					.2	.3	.3	.4	.1			.1						13	13						
70/ 69				.1	.8	.5		.3	.3									15	15						
68/ 67				.7	.9	.4	.9	.1	.1	.1								25	25						
66/ 65			.1	3.0	1.3	.5	1.1	.2	.2	.1								54	54						
64/ 63			.7	1.6	1.2	1.6	.5	.5	.4	.3								51	51	5					
62/ 61			1.3	1.1	2.4	2.2	.9	.4	.1									63	63	26					
60/ 59			1.5	2.4	2.6	2.6	.8	1.1	.3	.1								84	84	42	2				
58/ 57			2.3	3.2	3.0	1.5	.9	.5	.3									95	95	35	32				
56/ 55		.8	3.2	2.7	3.2	1.6	.7	.4	.3									96	96	51	29				
54/ 53		.7	3.2	2.4	2.3	1.2	.9	.3										82	62	100	24				
52/ 51	.1	1.5	2.7	2.2	1.2	.3	.5											66	66	109	49				
50/ 49		1.5	1.7	1.1	.1	.9												40	40	112	65				
48/ 47		1.1	.9	.8	.3	.1												24	24	88	76				
46/ 45		.9	.5															11	11	71	91				
44/ 43		.7	.7															10	10	48	63				
42/ 41		.4																3	3	34	65				
40/ 39	.3	.4																5	5	21	65				
38/ 37																				1	61				
36/ 35	.1																	1	1	1	29				
34/ 33																					21				
72/ 31																						13			
50/ 29																						11			
28/ 27																						14			
26/ 25																						11			
24/ 23																						14			
22/ 21																						2			
20/ 19																						3			
18/ 17																						2			
TOTAL	.5	8.1	19.5	21.8	19.6	14.2	7.8	4.6	2.4	1.1	.3	.1						744	744	744	744				
Element (X)	Σx²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.	3.550600		46902		61.8		6.662		744		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F				
Dry Bulb	2489396		42756		57.5		6.444		744						7.4		.8				93				
Wet Bulb	1925964		37599		50.5		5.412		744												93				
Dew Point	1452425		32309		43.4		8.152		744				8.9								93				

USAFETAC FORM 0-26-5 (OL A) REPROD ANYHOW ERRORS OF THIS FORM ARE OUGHT

## PSYCHROMETRIC SUMMARY

93193      FRESNO AIR TERMINAL CA  
STATION      STATION NAME

73-82

YEARS

12月  
MONTH

PAGE 1 2196-2300  
MAY 11 1964

[illegible]



## PSYCHROMETRIC SUMMARY

**YARD:**

2340

09-06

**ALL**

UNITED STATES OF AMERICA

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

MAZ  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

43193 FRESNO AIR TERMINAL CA

73-80

APR  
MONTH

STATION

STATION NAME

YEARS

PAGE 1

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
72/ 69							.1											1	1					
69/ 67						.1	.1											2	2					
66/ 65					.3	.1		.1										4	4					
64/ 63			.1	.3	.7	.7	.4											16	16					
62/ 61			.8	.3	1.1	.7	.3											23	23					
60/ 59		.4	.8	2.4	1.1	1.3	.4	.6										50	50	4				
58/ 57		.6	2.9	2.8	2.4	.8	.3											70	70	16	4			
56/ 55		1.8	4.4	3.1	2.5	.4	.6											92	92	31	7			
54/ 53		1.7	5.5	4.0	1.3	.1												98	98	66	16			
52/ 51		2.4	4.9	2.9	1.4	.3												65	65	87	34			
50/ 49	.4	2.8	4.7	3.2	.8	.4												89	89	115	64			
48/ 47	.1	4.4	3.9	1.8	.1													74	74	122	83			
46/ 45		4.4	2.1	.6														51	51	101	109			
44/ 43	.7	3.3	1.0	.3														35	35	93	88			
42/ 41		1.7	1.1	.1														21	21	45	95			
40/ 39		.6	.1	.1														6	6	22	93			
38/ 37	.4																	3	3	13	48			
36/ 35																				1	31			
34/ 33																				1	22			
32/ 31																					10			
30/ 29																					10			
28/ 27																					5			
26/ 25																					1			
TOTAL	1.7	24.0	33.3	21.8	11.7	5.0	2.2	.7											720			720		
																			720			720		

## PSYCHROMETRIC SUMMARY

73-22

APD  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

STATION	STATION NAME
97193	FRESNO AIR TERMINAL CA

73-80

**YEARS**

APR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

97192 FRESNO AIR TERMINAL CA

73-80

YEARS

APR  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
86/ 85												.1						1	1						
84/ 83											.1							1	1						
82/ 81										.3	.1	.3						5	5						
80/ 79									.3	.1	.6	.3						9	9						
78/ 77									.7	.1	.4							10	10						
76/ 75							.1	.4	1.0	1.1	.4			.1				22	22						
74/ 73						.1	1.1	2.1	1.4	1.1	.7							47	47						
72/ 71						.4	.6	1.8	1.4	.7	.1							38	38						
70/ 69					.3	.6	2.2	2.9	1.0	.4	.1							54	54						
68/ 67					1.3	1.5	2.2	1.7	.4	.3	.1							54	54						
66/ 65					1.0	3.9	2.4	.4	.6	.1								60	60	1					
64/ 63			.4		2.2	3.8	1.5	.4	.1									61	61	9					
62/ 61			.7		2.1	4.2	1.3	.3	.1									62	62	28					
60/ 59			.3	1.1	3.3	2.2	.8	.1										61	61	62					
58/ 57		.4	.6	1.7	3.3	1.4	.4		.3									58	58	91	3				
56/ 55		.1	.6	2.6	2.2	1.3	.3											55	55	101	6				
54/ 53		.1	1.7	2.2	1.7	.6	.3											47	47	101	21				
52/ 51		1.0	1.3	1.7	.8	.1												35	35	94	45				
50/ 49		.4	.7	1.3		.1												18	18	92	63				
48/ 47	.1	1.0	.3	.1	.1													12	12	66	92				
46/ 45	.4	.3	.3															7	7	49	136				
44/ 43		.3																2	2	19	102				
42/ 41		.1																1	1	6	87				
40/ 39																				1	61				
38/ 37																					37				
36/ 35																					24				
34/ 33																					19				
32/ 31																					7				
30/ 29																					9				
28/ 27																					5				
26/ 19																					1				
18/ 17																					1				
TOTAL	.6	3.8	5.1	11.8	18.9	20.1	13.5	10.1	7.2	4.3	2.8	.7	.1					720	720	720	720				
Element (X)	ΣX <sup>2</sup>		ΣX		X		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		
Rel. Hum.	2162056		37902		52.6		15.233		720		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total		
Dry Bulb	2882026		45166		62.8		8.018		720						30.1		11.7		1.1				90		
Wet Bulb	2039002		38158		53.0		4.824		720														90		
Dew Point	1416617		31687		44.0		5.542		720		2.8												90		

USAFETAC FORM 0-26-5 (UL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

73-80

**YEARS**

AP3

**MONTH**

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

LPR  
MONTH

PAGE 2 1200-1430  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

97193  
STATION

ESNO AIR TERMINAL CA  
STATION NAME

73-98  
YEARS

APR  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
94/ 93															.1	.3	.1	4	4			
92/ 91														.4	.1	.3	.1	7	7			
90/ 89														.7	.7	.3	.3	14	14			
88/ 87												.3	.4	.1	.6			12	10			
86/ 85											.1	.8	.8	.6	.7	.1	.4	26	26			
84/ 83											.4	.7	1.7	1.0				27	27			
82/ 81									.4	1.0	.8	1.4	.8	1.4	.4	.1		46	46			
80/ 79								.4	.3	1.4	3.2	1.4	1.5		.1			60	60			
78/ 77								.1	1.4	1.7	2.4	1.5	.3					53	53			
76/ 75							.4	1.0	1.1	1.5	1.9	.8	.3					51	51			
74/ 73							.7	1.3	1.9	1.4	.8	.6	.1					49	49			
72/ 71					.1		.4	2.2	2.5	.3	.6	.8						50	50			
70/ 69					.3		.7	1.4	2.4	1.4	.8							50	50			
68/ 67					.1	.7	1.1	1.3	1.5	1.1								41	41			
66/ 65					.1	1.3	2.6	3.3	1.9	.3								69	69	15		
64/ 63				.6	.1	1.1	2.2	.7	.7	.4								42	42	45		
62/ 61			.3	.3		1.5	.6	1.0	.3	.1								29	29	53		
60/ 59			.1	.4	.6	.7	1.3	.6										26	26	114	2	
58/ 57			.1	.4	.6	.7	.3			.1								16	16	106	3	
56/ 55		.1	.6	.6	.8	1.0												22	22	97	13	
54/ 53		.4	.3	.6	.6													13	13	84	15	
52/ 51		.1	1.3	.1														9	9	65	24	
50/ 49		.3	.3	.1	.1													6	6	58	37	
48/ 47																				47	56	
46/ 45																				13	77	
44/ 43																				2	93	
42/ 41																				1	90	
40/ 39																					65	
38/ 37																					55	
36/ 35																					55	
34/ 33																					37	
32/ 31																					36	
30/ 29																					20	
28/ 27																					14	
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F	
Dry Bulb																						
Wet Bulb																						
Dew Point																						

## PSYCHROMETRIC SUMMARY

73-85

**YEARS**

ADD  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

98193 FRESNO AIR TERMINAL CA

73-80

APP  
MONTH

PAGE 1 1800-2000  
HOURS (L: S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.C./W.B.	Dry Bulb	Wet Bulb	Dew Point			
88/ 87													.4	.3	.1				6	5				
85/ 84												.3		.1					4	4				
84/ 83												.6	.1				.1		6	6				
82/ 81										.1	.1	.3	.6					.1	8	8				
80/ 79										.6	.7	.3	.7	.1					17	17				
78/ 77									.4	1.0	.7	.4	.7	.3					25	25				
76/ 75							.3	.4	1.0	1.4	.8	.6	.1						33	33				
74/ 73						.1		1.4	2.4	1.1	1.1	.3	.1						47	47				
72/ 71						.7	.7	1.5	1.6	1.0	1.0	.3							50	50				
70/ 69				.3	.1	.1	2.1	2.6	1.6	.8	.1								59	59				
68/ 67				.6	.7	1.3	2.4	1.6	.7	.6	.3								59	59				
66/ 65				.4	.7	1.8	1.7	1.7	.6	.4	.1								53	53	1			
64/ 63				.4	1.7	2.5	2.1	.6	.6	.1									59	59	14			
62/ 61			.3	.4	2.2	2.1	1.7	1.1	.6	.1									61	61	34			
60/ 59		.6	.4	1.0	2.8	1.9	1.4	.6	.4										65	65	53	5		
58/ 57		.1	.7	1.0	1.9	1.7	.8												45	45	106	4		
56/ 55		.4	.3	1.9	1.7	1.1	.1	.3											42	42	95	18		
54/ 53			.7	.7	1.3	.1	.1												21	21	106	15		
52/ 51		.3	1.5	1.0	.1	.3	.1												24	24	108	17		
50/ 49		1.3	1.3	.6	.1														23	23	65	67		
48/ 47		.4	.6	.4															10	10	72	61		
46/ 45			.3																2	2	38	116		
44/ 43			.1																1	1	13	102		
42/ 41																					8	55		
40/ 39																					1	66		
38/ 37																						53		
36/ 35																						39		
34/ 33																						39		
32/ 31																						20		
30/ 29																						10		
28/ 27																						6		
26/ 25																						16		
24/ 23																						5		
22/ 21																						3		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**APC**  
**MEMIN**

PAGE 2

1900-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1

2100-2300  
MORRIS (L. S. J.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAL

# PSYCHROMETRIC SUMMARY

STATION 73-80  
STATION NAME

73-80

YEARS

APP  
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
99/ 93															.0	.0	.0	4	4					
92/ 91														.1	.0	.0	.0	9	9					
90/ 89													.1	.1	.1	.0	.0	19	19					
88/ 87												.1	.2	.1	.1	.0		25	25					
86/ 85											.0	.2	.2	.1	.1	.1	.1	44	44					
84/ 83											.2	.3	.2	.2		.0	.0	56	56					
82/ 81									.1	.2	.3	.4	.3	.2	.1	.0		90	90					
80/ 79								.1	.1	.5	.9	.3	.4	.0	.0			133	133					
78/ 77							.0	.1	.5	.6	.6	.4	.2	.1				138	138					
76/ 75							.1	.4	.8	.8	.6	.2	.1					162	162					
74/ 73						.0	.4	.8	1.1	.7	.5	.2	.0					206	206					
72/ 71					.0	.2	.4	1.0	1.0	.3	.3	.1						199	199					
70/ 69				.1	.1	.2	1.0	1.2	.8	.4	.2							227	227					
68/ 67			.0	.1	.3	.6	1.4	1.0	.5	.3	.1							253	253		1			
66/ 65			.0	.1	.5	1.4	1.6	1.1	.6	.2	.0							315	315		31			
64/ 62		.0	.0	.4	1.1	1.6	1.3	.6	.3	.1								311	311		99			
62/ 61		.0	.4	.6	1.3	1.6	.8	.4	.2	.1								312	312		195			
60/ 59		.2	.7	1.4	1.8	1.4	.6	.3	.1	.0								324	324		340 12			
58/ 57		.4	1.2	1.5	2.0	1.1	.4	.1	.0	.0								395	395		594 25			
56/ 55		.7	1.6	2.4	1.9	.7	.2	.1										443	443		565 66			
54/ 53		.8	2.6	2.1	1.1	.3	.1											399	399		642 137			
52/ 51		1.4	2.7	1.7	.7	.1	.0											384	384		675 258			
50/ 49	.1	1.9	2.5	1.4	.3	.1												369	369		708 442			
48/ 47	.2	2.3	1.5	.5	.1													313	313		667 631			
46/ 45	.1	2.8	1.2	.3	.0													246	246		532 856			
44/ 43	.1	1.5	.6	.1														153	153		373 313			
42/ 41	.1	1.6	.3	.1														82	82		204 661			
40/ 39	.2	.5	.1	.0														52	52		123 546			
38/ 37	.2	.1	.1															26	26		50 419			
36/ 35	.1	.1																10	10		19 301			
34/ 33																					10 196			
32/ 31	.0																	1	1		1 128			
30/ 29																					92			
28/ 27																					52			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma^2$		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 026-5 (OL A) 1-1-64

## PSYCHROMETRIC SUMMARY

07103	FRESNO AIR TERMINAL CA
STATION	STATION NAME

73-82

429

STAT:3m

STATION NAME

VIAS

**ANALYSIS**

2025

ALL

REPORTS I. L. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

    MAY      
    MONTH    

PAGE 1

0000-0200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

**MAY**  
**MONTH**

0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

9/193 FALSGO AIR TERMINAL CA

73-80

MAY  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
85/ 85											.1							1	1					
84/ 81								.1	.4	.1	.1							6	6					
83/ 79								.4	.1	.4								7	7					
82/ 77							.1	.3	.1	.3	.1							7	7					
81/ 75						.5	.5	.9	.9									22	22					
80/ 73					.1	.4	1.1	.8	.3									20	20					
79/ 71					.3	.5	.9	.9	.7									25	25					
78/ 69					.9	1.2	1.1	.8										30	30					
77/ 67				.7	1.7	1.9	1.5	.5	.1									48	48	3				
76/ 65				.9	2.0	1.6	1.2	.1										49	49	11				
75/ 63				1.3	2.7	2.7	.8	.1										57	57	19				
74/ 61			1.1	2.0	3.2	1.5	.4											61	61	42				
73/ 59		.1	.5	3.6	3.1	2.8	.7											81	81	51				
72/ 57		.1	2.6	3.2	3.9	1.1	.1											82	82	71				
71/ 55		.1	2.7	4.3	2.6	.8												73	73	82				
70/ 53		.8	4.0	1.9	2.3	.1	.1											69	69	102				
69/ 51		.3	2.8	1.5	.5	.1												41	41	98				
68/ 49		1.5	1.0	1.7	.3													40	40	111				
67/ 47		.5	.7	.5														13	13	77				
66/ 45		.1	.5	.3														7	7	44				
65/ 43		.1	.3															3	3	19				
64/ 41			.1															1	1	11				
63/ 39		.1																1	1	2				
62/ 37																				1				
61/ 35																								
60/ 33																								
59/ 31																								
58/ 29																								
TOTAL		3.9	16.5	22.0	23.9	15.1	9.5	5.1	2.7	.8	.4							744	744	744				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

193 ESNO AIR TERMINAL CA  
STATION STATION NAME

73-80

YEARS

MAY  
MONTH

PAGE 1

0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
90/ 93												.1	.1	.3				4		4														
89/ 91												.1						1		1														
88/ 89												.1	.4	.7	.4			12		12														
88/ 87											.4	.7	.9	.7	.1			21		21														
86/ 85										.3	.9	.9	1.2	.7				30		30														
84/ 83									.3	1.3	1.5	.8	.1					30		30														
82/ 81								.1	1.5	.8	2.2	.5						39		39														
80/ 79								1.2	1.7	2.2	.8							44		44														
78/ 77								1.2	2.7	1.9	.1	.3						46		46														
76/ 75						.1	.7	2.2	1.9	1.5	.4	.1						51		51														
74/ 73						.5	1.3	2.7	3.1	1.6								69		69														
72/ 71						.5	2.3	2.7	2.2	.7	.1							67		67												4		
70/ 69						.7	2.4	3.0	1.3	.3								57		57											9			
68/ 67					.4	1.6	3.8	2.2	.7	.1								65		65											28			
66/ 65				.1	.7	1.5	3.0	1.7	.5									56		56											52			
64/ 63				.4	.3	2.4	1.9	.8	.3									45		45											76			
62/ 61				.1	1.2	1.6	1.5	.8										39		39											95		4	
60/ 59			.1	.3	.9	.5	1.1	.3										26		26											83		6	
58/ 57				.9	.8	.5	.5	.1										25		25											107		20	
56/ 55		.3	.3	.3	.3	.7												13		13											81		51	
54/ 53			.1		.1	.1												3		3											88		44	
52/ 51					.1													1		1											62		69	
50/ 49																																27		103
48/ 47																																23		86
46/ 45																																8		120
44/ 43																																1		71
42/ 41																																		42
40/ 39																																		51
38/ 37																																		38
36/ 35																																		23
34/ 33																																		10
32/ 31																																		8
30/ 29																																		3
28/ 27																																		1
Element (X)	Σ X <sup>2</sup>			Σ X			X			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																		
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

## PSYCHROMETRIC SUMMARY

✓ 193	FRESNO AIR TERMINAL CA
STATION	STATION NAME

73-80

**YEARS**

MAY  
MONTH

PAGE 2

0950-1100  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 193 FRESNO AIR TERMINAL CA

73-80

YEARS

MAY  
MONTH

PAGE 1 1236-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
12/101																	.1	.1	2	2				
10/ 96															.1	.3		.1	.1	5	5			
98/ 97															.3	.1	.9	.3	12	12				
96/ 95														.3	.4	1.6	.5	.7	26	26				
94/ 93												.3	.8	1.3	1.1	.5	.3	32	32					
92/ 91												.5	1.5	1.3	1.1	.5	.1	38	38					
90/ 89											.5	.8	1.5	1.6	.8	.4		42	42					
88/ 87											.7	1.6	2.0	.9	.1			49	40					
86/ 85										.5	.7	2.3	2.0	.5	.4			48	48					
84/ 83									.3	.3	2.3	2.3	1.1	.1	.1			48	48					
82/ 81								.3	.4	2.4	2.7	2.7	1.1	.3				73	73					
80/ 79								.4	.1	2.2	2.6	1.7	.3	.1				55	55					
78/ 77								.1	1.3	3.1	1.5	1.6	.1					60	60					
76/ 75							.3	.7	3.0	2.2	2.0	.3						62	62					
74/ 73								.5	2.6	1.1	.7	.1						39	39	3				
72/ 71							.3	2.0	1.9	1.1	.7							44	44	10				
70/ 69							.3	.4	1.3	1.2								24	24	21				
68/ 67						.1	.5	.7	1.6	.4	.1							26	26	73				
66/ 65						.3	.6	.7	.7	.7								24	24	70				
64/ 63						.7	.5	.3	.4	.1								19	19	109				
62/ 61					.7	.3	.3	.8	.1	.1								17	17	85	1			
60/ 59			.1	.1	.1	.1	.1	.1										5	5	111	5			
58/ 57				.1														1	1	95	23			
56/ 55			.3															2	2	49	20			
54/ 53																				58	37			
52/ 51																				26	59			
50/ 49																				20	97			
48/ 47																				11	78			
46/ 45																				3	107			
44/ 43																					73			
42/ 41																					57			
40/ 39																					50			
38/ 37																					42			
36/ 35																					39			
Element (X)	Z <sub>X</sub> <sup>1</sup>		Z <sub>X</sub>		X		σ <sub>X</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 47 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

DAY  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

STATION 73-80 FRESNO AIR TERMINAL CA  
STATION NAME

73-80

YEARS

MAY  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
47/103																	.7	5	5						
52/101																	.8	7	7						
58/ 99																.5	.3	1.7	19	19					
58/ 97																.8	1.1	1.6	22	22					
56/ 95													.3	.3	1.1	1.7	1.3	35	35						
54/ 93													.1	1.9	1.9	2.0	.9	51	51						
52/ 91														2.3	1.2	.8		32	32						
50/ 89												.7	.8	.5	1.5	.8	.1	35	35						
48/ 87											.5	1.3	3.0	2.8	.9			64	64						
46/ 85											.4	1.7	2.3	1.1	.3			43	43						
44/ 83									.5	.7	1.5	2.0	2.2	1.3	.4	.1		65	65						
42/ 81									.3	.8	1.7	3.1	3.9	.9				80	80						
40/ 79									.3	.8	2.8	1.7	1.9	.1				57	57						
38/ 77									.7	1.5	1.3	1.2	.1					36	36						
36/ 75									.8	.9	1.9	.9						34	34						
34/ 73									.1	1.6	.9	1.5	.7					37	37		1				
32/ 71							.3	.4	1.1	.7	1.1	.1						27	27		12				
30/ 69							.4	.7	.4	.4	.4							17	17		14				
28/ 67							.3	.5	.7	.9	.3							20	20		73				
26/ 65					.1	.3	.3	.5	1.1		.1							18	18		82				
24/ 63						.3	.1	.3	.3	.4								10	10		118				
22/ 61			.3	.5	.1			.4	.3									12	12		85				
20/ 59				.1	.3	.1	.1		.3									7	7		111				
18/ 57			.1				.1											2	2		83				
16/ 55			.3				.1											3	3		61				
14/ 53																					13				
12/ 51																					19				
10/ 49																					56				
8/ 47																					26				
6/ 45																					43				
4/ 43																					17				
2/ 41																					66				
0/ 39																					9				
35/ 37																					72				
																					6				
																					126				
																					74				
																					69				
																					59				
																					61				
Element (X)	ΣX'	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 48 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

STATION 73-80 FRESNO AIR TERMINAL CA

73-80

YEARS

MAY  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb Wet Bulb Dew Point						
12/101																	.1	1	1					
10/ 99																	.1	2	2					
92/ 97																	.1	3	3					
86/ 95															.4		.5	14	14					
84/ 93														.1	.3	.9	.3	16	16					
82/ 91												.1	.5	.5	1.1	.7		22	22					
80/ 89													1.5	1.1	.4	.1		23	23					
86/ 87											.4	.5	1.7	1.5	.3			33	33					
85/ 85									.1	1.2	2.0	1.7	.5	.3				44	44					
84/ 83									.7	1.3	2.4	1.2	.5					46	46					
82/ 81									.4	1.3	2.2	.9	1.3	.3				48	48					
80/ 79								.1	.3	.7	1.7	2.4	1.3	.5	.3			55	55					
78/ 77							.1	.1	1.2	2.3	1.7	1.6	.4					57	57					
76/ 75						.1	.1	.5	2.6	2.2	2.3	.5	.3					64	64					
74/ 73						.1	.5	1.7	2.2	1.5	1.5	.3						58	58					
72/ 71						.1	.7	1.1	2.2	1.6	.5							46	46					
70/ 69					.1	.4	.9	1.5	1.6	1.5	.5							49	49	2				
68/ 67					.4	1.3	1.7	2.0	.5									45	45	23				
66/ 65						.7	1.2	1.1	.4	.4								25	25	58				
64/ 63					.4	.9	.5	.5	.3	.3								24	24	67				
62/ 61				.1	.1	.5	.8	.4	.3									17	17	102				
60/ 59				.4	.4	.1	.7	.1										15	13	97				
58/ 57			.9	.1	.1	.3	.5	.1										18	18	87	4			
56/ 55			.6	.1	.1	.5		.1										10	10	96	19			
54/ 53		.3	.1	.1	.1	.3	.1											8	8	75	25			
52/ 51																				53	38			
50/ 49																				24	75			
48/ 47																				18	91			
46/ 45																				11	69			
44/ 43																				3	71			
42/ 41																				1	74			
40/ 39																						67		
38/ 37																						46		
36/ 35																						51		
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 44 0-26-5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM AND DISCARD

## PSYCHROMETRIC SUMMARY

0193	F-ESNO AIR TERMINAL CA
STATION	STATION NAME

73-60

**YEARS**

**MAY**  
**MONTH**

PAGE 2

1500-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

67193	DESNO AIR TERMINAL CA
STATION	STATION NAME

73-22

YEARS

MAY

PAGE 1

2100-2300

1200 2-0  
12003 (L. 3, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
56/ 54											.4	.1						4	4				
54/ 52									.1	.3	.4	.4						9	9				
52/ 51									.3	.1	.7	.1						13	13				
50/ 49							.1	.4	1.5	.3	.5	.3						24	24				
48/ 47							.4	1.2	1.2	.8	.5							31	31				
46/ 45							.8	1.6	1.7	1.5	.1							45	45				
44/ 43						.7	1.6	3.0	1.1	.1	.3	.1						51	51				
42/ 41						.4	2.0	3.1	1.5	.7								57	57				
40/ 39					.7	2.0	3.4	2.0	2.0	.5								79	79	1			
38/ 37				.1	1.1	2.0	1.7	1.6	.8	.3								57	57	5			
36/ 35				.7	1.6	2.0	2.3	1.6	.9									68	68	17			
34/ 33			.1	.3	4.2	2.4	.5	.3										73	73	40			
32/ 31			.1	1.1	1.7	2.6	1.6	.1										54	54	67			
30/ 29			1.2	2.6	2.2	.5	.5											52	52	97			
28/ 27			.3	1.6	1.9	1.9	.3											44	44	95			
26/ 25		.1	.9	.5	1.5	.7	.1											30	30	83			
24/ 23		.5	.5	.7	.9	.8												26	26	113			
22/ 21		.3	.7	.3	1.1	.4												20	20	97			
20/ 19		.1	.4	.1														5	5	52			
18/ 17				.1														1	1	36			
16/ 15																		1	1	24			
14/ 13																				13			
12/ 11																				2			
10/ 9																				2			
8/ 7																							
6/ 5																							
4/ 3																							
2/ 1																							
0/ 0																							
TOTAL		1.1	2.3	6.7	15.6	19.8	17.3	15.3	11.4	5.0	3.0	1.1						744	744	744			



## PSYCHROMETRIC SUMMARY

73-42

**MAY**  
**MONTH**

**YEARS**

PAGE 2

220

ALL  
HOURS 14: 9. T. 1

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAS

# PSYCHROMETRIC SUMMARY

STATION 73-80 STATION NAME FRESNO AIR TERMINAL CA

YEARS 73-80

MONTH

JUN

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
84/ 82							.1	.3	.3	.4									8	8			
82/ 80							.1	.1	.3	.3	.1								7	7			
80/ 78							.3	.6	.3	.6	.1								13	13			
78/ 76						.4	.7	.7	.7	.6	.1								20	20			
76/ 74					.1	.6	1.0	2.1	.6	.4	.1								35	35			
74/ 72					.1	.8	1.8	2.5	.6	.1									46	46	1		
72/ 70				.6	.7	2.8	5.1	1.0	1.0	.1	.1								67	67	1		
70/ 68					1.5	4.3	5.2	1.0	.3	.6	.1								93	93	4		
68/ 66				.4	3.6	3.6	2.5	1.7	.7	.3	.1								95	95	10	1	
66/ 64				1.4	5.1	2.5	2.4	1.4	.3										94	94	22	1	
64/ 62				1.5	4.4	2.5	1.9	.6											79	79	40	3	
62/ 60				1.9	1.8	1.9	.8		.1										48	48	97	11	
60/ 58				1.9	2.2	1.7	.4	.1	.1										47	47	122	11	
58/ 56			.6	1.9	2.2	.4				.1									38	38	113	26	
56/ 54			.6	1.3	1.7	.1													24	24	67	60	
54/ 52		.1	.4	.7	.4	.1													13	13	86	95	
52/ 50		.3	.1																3	3	76	103	
50/ 48																					49	109	
48/ 46																					17	60	
46/ 44																					2	61	
44/ 42																					1	60	
42/ 40																					1	53	
40/ 38																						22	
38/ 36																						22	
36/ 34																						6	
34/ 32																						6	
32/ 30																						5	
30/ 28																						1	
28/ 26																						2	
26/ 24																						1	
24/ 22																						1	
TOTAL		.4	1.7	11.4	24.6	21.9	16.5	11.9	5.1	3.5	1.0								720	720	720	720	
																			720		720		
Element (X)	ΣX²		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											Total	
Rel. Hum.	2130356		38382		53.3		11.205		720		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						90	
Dry Bulb	3246520		48150		66.8		6.370		720													90	
Wet Bulb	2348517		40975		56.9		4.811		720													90	
Dew Point	1736812		35068		48.7		6.330		720													90	

USAFETAC FORM 026-5 (OLA) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

75-82

**YEARS**

JUN  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR ACFT-PP SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 73-80 STATION NAME YEARS MONTH  
PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
55/ 87									.1		.1								2	2				
56/ 88								.1	.1		.7								7	7				
57/ 89								.1	.6	.3	.1		.1						9	9				
58/ 91								.1	.6	.3	.1	.6		.1					12	12				
59/ 79						.1	.1	1.1	1.4	.6	.3								21	26				
75/ 77						.1	.6	1.4	1.8	.3		.1							31	31				
76/ 78						.4	1.1	2.1	1.5		.3								39	39				
77/ 73					.4	.6	3.3	1.8	.4	.4									50	50	1			
78/ 71						2.1	2.9	1.9	.7	.1									53	53	4			
79/ 69			.4		1.4	2.4	3.6	2.2	.7	.1									78	78	1			
85/ 67					2.1	3.1	2.2	.7	.1										59	59	18			
86/ 68				1.1	3.3	3.9	1.5	.7											79	79	29			
87/ 63				1.8	3.5	3.3	1.3	.4											74	74	50			
88/ 61			.4	3.1	2.0	1.9	.3		.1										63	63	53			
89/ 59			.4	2.5	2.6	1.9	.4	.1											58	58	95			
90/ 57			.1	1.8	3.2	.3													32	32	115			
96/ 55		.3	.7	1.3	.4														19	19	105			
97/ 53		.1	.7	1.3	.1		.1												17	17	83			
98/ 51		.4	.4	.3	.1														9	9	66			
99/ 49		.1	.3																3	3	42			
100/ 47																					17			
101/ 45																					6			
102/ 43																					2			
103/ 41																								
104/ 39																					42			
105/ 37																					20			
106/ 35																					12			
107/ 29																					7			
TOTAL		1.0	3.5	13.1	19.6	20.1	17.9	12.6	7.9	1.9	2.1	.1	.1						720	720	720			

USAFETAC FORM 0-26-5 (OL A) JUL 64



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 73-3C  
STATION NAME FRESNO AIR TERMINAL CA

73-3C

YEARS

JUN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
100/ 99												.1	.1		.1				1	1				
99/ 97															.1				3	3				
98/ 95											.1	.1	.1	.7	.1				9	9				
97/ 93											.3	.3	1.3	.3	.3	.1			18	18				
96/ 91										.1	.1	.4	.7	.8	.6	.3			22	22				
95/ 89											.1	1.5	1.7	1.1	.6	.1			37	37				
94/ 87								.1		.6	2.2	2.1	1.1	.1					47	47				
93/ 85									.1	1.7	2.6	1.9	1.1						54	54				
92/ 83										1.3	2.5	3.6	1.5	.4	.1				68	68				
91/ 81										2.4	2.4	2.5	.7	.6					61	61				
90/ 79									1.2	3.1	3.2	2.1	.8	.3					75	75				
89/ 77							.1	1.3	3.1	1.7	1.3	.4							60	60				
88/ 75						.1	.6	3.1	2.9	1.7	.6	.1							65	65	3			
87/ 73							1.3	2.5	1.9	1.0	.3								50	50	7			
86/ 71			.1	.1		.4	2.1	1.8	.8	.8		.1							46	46	14			
85/ 69						.4	2.1	1.5	1.0										36	36	49			
84/ 67					.1	1.5	1.5	1.1	.6	.1									32	32	61	3		
83/ 65					.6	1.5	.1	.1											17	17	101	1		
82/ 63				.1	.3	.3	.7												10	10	105	6		
81/ 61					.1	.6													5	5	116	8		
80/ 59																			1	1	97	17		
79/ 57		.1																	1	1	71	54		
78/ 55																					47	80		
77/ 53		.1																	1	1	29	73		
76/ 51		.1																	1	1	16	89		
75/ 49																					2	107		
74/ 47																						82		
73/ 45																						52		
72/ 43																						55		
71/ 41																						35		
70/ 39																						28		
69/ 37																						14		
68/ 35																						5		
67/ 33																						4		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma^2$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

75-87

**YEARS**

JUN  
MONTH

PAGE 2

0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

C-193	FRESNO AIR TERMINAL CA
STATION	STATION NAME

73-82

YEARS

JUN  
MONTH

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
107																	.8	6	6					
106																	.1	14	14					
105															.1	.1	1.7	43	43					
104															.6	.7	3.5	34	34					
103														.6	.3	1.8	4.7	53	53					
102														.6	1.0	2.5	3.1	51	51					
101													.4	1.0	2.6	3.1	2.6	70	70					
100												1.0	1.4	2.9	2.8	1.0	1.0	65	65					
99											.4	1.3	2.9	3.3	2.4	1.1	1.1	82	82					
98											1.0	2.2	2.4	2.1	1.0	.1	.1	63	63					
97										.8	1.9	1.9	1.2	1.1				55	55					
96									.1	1.4	1.3	1.4	1.3					39	39					
95									.4	1.1	1.5	.6	1.1	.1				35	35					
94									.3	1.0	.6	.6	.1	.3				20	20					
93									1.3	1.1	1.9	.7	.5					39	39					
92							.1	.3	1.0	.6								18	18	1				
91							.4	.1	.3	.1	.6							11	11	2				
90							.4	.7	.6	.3	.1							15	15	20				
89				.1														1	1	45				
88			.1				.1											2	2	86				
87			.1															1	1	108				
86				.3														2	2	140				
85				.1														1	1	119				
84					.1															3				
83																				12				
82																				11				
81																			15	44				
80																			8	41				
79																				70				
78																				54				
77																				56				
76																				90				
75																				53				
74																				50				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

PAGE 2 1500-1720  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-82

**YEARS**

MONTH

0469 1

1900-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

1600-2030  
HOURS (L. S. T.)

[illegible]

**JSAFETAC**  
FORM  
MAY 64  
**0.26.5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

JUL  
ADMIN

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-87

**YEARS**

July  
MONTH

PAGE 2 2100-2305  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 07193 STATION NAME: PRESNO AIR TERMINAL C3 YEARS: 73-80 MONTH: JUN  
PAGE 1 ALL  
HOURS (L. S. T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74/107																	.1	6	6					
76/106																.0	.2	17	17					
74/103														.0	.1	.1	1.0	70	70					
72/101														.0	.1	.3	.7	65	65					
70/99													.0	.1	.3	.4	.9	98	98					
68/97												.0	.1	.2	.3	.7	.6	113	113					
66/95											.0	.0	.2	.5	.9	.9	.5	169	169					
64/93										.1	.1	.6	.7	.9	.9	.7	.2	191	191					
62/91								.0	.0	.1	.4	.6	.7	1.1	1.2	.8	.2	241	241					
60/89								.1	.4	.6	.9	.9	1.2	.6	.2	.1		243	243					
58/87								.0	.0	.2	.7	1.1	1.2	.8	.4	.0		261	261					
56/85							.0	.0	.1	.5	1.2	1.3	1.0	.5	.1			269	269					
54/83							.1	.1	.9	.9	1.2	.9	.6	.4	.2			263	263					
52/81							.1	.1	.7	1.0	1.3	.6	.8	.1	.1			247	247					
50/79						.0	.1	.5	1.1	1.5	1.0	.5	.3	.1				306	306					
48/77				.0	.1	.3	.7	1.3	1.0	.8	.4	.1	.0					274	274		5			
46/75				.1	.2	.7	1.6	1.3	.7	.4	.2	.0						299	299		10			
44/73			.0	.2	.3	1.3	1.4	1.1	.6	.3	.1							309	309		49			
42/71			.0	.2	.2	.6	1.5	1.1	.7	.3	.1	.0						284	284		140			
40/69		.1	.1	.5	1.5	1.6	1.0	.5	.2	.0								314	314		278			
38/67		.2	.1	1.2	1.5	1.1	.7	.3	.1	.0								281	281		411 7			
36/65		.6	1.0	1.2	1.3	.5	.1	.9										306	306		638 11			
34/63		.1	1.1	1.6	1.3	.7	.2	.0	.0									287	287		675 31			
32/61		.5	1.5	1.2	.9	.1	.1	.0										254	254		732 56			
30/59	.0	.3	1.2	1.1	.9	.2	.0	.0										221	221		699 96			
28/57	.0	.4	1.0	.9	.2	.0		.0		.0								148	148		657 209			
26/55	.1	.4	.8	.4	.1	.0	.0		.0									100	100		465 473			
24/53	.1	.5	.5	.1	.0	.0												71	71		387 571			
22/51	.2	.2	.2	.1		.0												35	35		301 702			
20/49	.1	.1	.1	.														14	14		193 805			
18/47	.0	.0	.0															4	4		70 667			
16/45																				29	562			
14/43																				6	471			
12/41																				5	364			
Element (X)	Σ X'		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											≤ 6 F	≥ 32 F	≤ 67 F	≥ 73 F	≤ 80 F	≥ 93 F					Total			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED WITHOUT INDICATION OF THE FORM AND OBSOLETE

## PSYCHROMETRIC SUMMARY

73-83

YEARS

JUL  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 47193 ESNO AIR TERMINAL CA  
STATION NAME

73-80

YEARS

JUL  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
87/85								.1										1	1						
84/83									.3									2	2						
82/81						.1			.3									3	3						
81/79						.3	.1	.3	.4	.1								9	9						
78/77					.3	.9	.9	.4	.3									21	21						
76/75					.7	.5	.3	.4	.1									19	19						
74/73				.3	.7	1.9	2.2	1.1										45	45	1					
72/71			.1	.5	3.5	3.0	1.9	.3										75	75	1					
70/69			.4	1.5	5.8	5.0	2.3	.4										114	114	12	1				
68/67			.4	2.2	4.7	3.4	.3	.4										63	63	14					
66/65		.1	.5	5.2	5.4	2.0	.5	.1										104	104	38	3				
64/63			1.6	4.6	4.2	2.0	.3											98	98	73	23				
62/61			1.9	4.2	2.6	1.9												78	78	133	21				
60/59		.1	1.1	2.6	1.1	.7												41	41	132	43				
58/57			1.5	1.5	.3	.1												29	29	124	97				
56/55			.7	.8	.1													12	12	91	111				
54/53		.1	.5	.4														8	8	71	92				
52/51		.1																1	1	33	113				
50/49																				17	117				
48/47																				3	44				
46/45																					26				
44/43																					30				
42/41																					14				
40/39																					8				
TOTAL		.5	3.7	24.0	29.1	21.8	12.4	4.0	1.3	.1								743	743	743	743				

## PSYCHROMETRIC SUMMARY

73-89

YEARS

JUL  
MONTH

PAGE 1

0620-0800  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

103	ESN7 42P TERMINAL CA
STATION	STATION NAME

73-83

**YEARS**

33  
MONTH

PAGE 1

5906-1193  
MOORE, J. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
0/ 29														.1				1	1						
1/ 27												.1	.3	1.1				11	11						
2/ 25												.9	.4	.1				11	11						
3/ 23											1.3	2.2	1.6	.4	.1	.1		43	43						
4/ 21										.6	1.7	2.6	1.3					46	46						
5/ 19								.1	1.6	3.2	3.2	.9	.3					70	70						
6/ 17								.8	2.6	5.5	1.6	.4						83	83						
7/ 15								2.3	3.9	3.6	1.3	.4						86	86						
8/ 13								.3	2.3	4.3	2.4	1.2						78	78						
9/ 11					.1		.1	1.7	3.4	3.5	1.3	.5						80	80						
10/ 9					.1		.7	3.0	2.6	1.3	1.5	.1						69	69						
11/ 7							.9	1.7	2.2	1.6	.3							49	49						
12/ 5			.1			.4	.9	1.5	1.7	.7								40	40	2					
13/ 3						.7	.9	1.3	1.5	.3								35	35	34					
14/ 1					.1	.1	.5	.8	.3									16	16	78					
15/ 0					.1	.7	.5	.4										13	13	117	3				
16/ 0				.1		.3	.3											5	5	137					
17/ 0				.4	.1	.3												5	5	133	2				
18/ 0					.1													1	1	91	30				
19/ 0																				62	49				
20/ 0																				60	113				
21/ 0																				26	99				
22/ 0																					3				
23/ 0																				1	90				
24/ 0																					72				
25/ 0																					59				
26/ 0																					37				
27/ 0																					37				
28/ 0																					18				
29/ 0																					5				
30/ 0																					1				
TOTAL			.1	.4	.4	2.2	5.5	10.9	16.9	20.8	21.0	13.6	5.4	2.0	.1	.1		744	744	744					
																		744		744					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.</																				



## PSYCHROMETRIC SUMMARY

73-25

YEARS

JUL  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-61

YEARS

111  
MONTH

PAGE ? 1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 73-80 MESNC AIR TERMINAL CA  
STATION NAME

YEARS

MONTH JUL

PAGE 1

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
11-109																	.7	5	5				
10-107																	.3	25	25				
9-105																	.7	3.8	35	35			
8-103																	.4	2.3	5.1	5.1			
7-101													.1	.3	2.3	2.3	4.6	73	73				
6-99													.1	.7	1.9	5.4	5.1	98	98				
5-97													.2	1.6	4.2	3.4	2.0	89	89				
4-95												.5	.8	3.5	3.4	1.6		72	73				
3-93											.3	.9	2.3	3.9	3.2	1.9		93	93				
2-91											.7	1.7	1.3	3.2	1.2	.8		67	57				
1-89										.4	.9	1.1	1.1	1.7	1.1			47	47				
0-87										.4		.4	1.2	.5				19	19				
60-85									.4		.4	1.2	2.3	.3	.1			35	35				
40-83								.1	.1		.3	.5	.1					9	9				
20-81								.7	.1		.1							7	7				
0-79									.3	.4								5	5	1			
7-77						.1	.1											2	2	6			
70-75						.1	.1											2	2	26			
64-73						.1												1	1	85			
60-71						.1												1	1	129			
50-69																				197			
45-67																				136	1		
40-65																				77	4		
34-63																				56	12		
28-61																				27	32		
20-59																				3	44		
10-57																				1	52		
50-55																					75		
44-53																					68		
38-51																					98		
30-49																					100		
22-47																					109		
14-45																					59		
4-43																					23		
Element (X)	ΣX <sup>2</sup>		ΣX		X		e <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC  
FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 84

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

STATION 103 LESNO AIR TERMINAL CA  
STATION NAME

73-80

YEARS

JUL

MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
10/175																.1	1.1	10	10			
14/175																.1	1.1	10	10			
12/171																.4	1.5	2.3	35	35		
07/79													.1	.4	1.1	1.1	1.3	30	30			
18/97													.1	2.0	2.4	2.3	.5	55	55			
06/95											.1	.4	.5	2.6	3.1	2.6	.3	73	73			
14/93												.9	2.2	4.8	2.0	.4		77	77			
02/91									.1		.7	2.0	2.4	3.2	1.7	.4		79	79			
07/89										.7	1.9	3.5	3.5	2.2	1.1	.1		96	96			
18/87									.1	.8	2.0	2.3	3.1	.7	.1			72	72			
07/85									.5	1.6	1.9	2.7	2.0	.4	.1			69	69			
17/82									.5	1.3	1.5	2.2	.5	.1				47	47			
07/81									.5	.7	.9	1.2	.3	.4	.1			21	31			
17/79							.1	.3	.3	.7	1.2	.3						21	21			
7/77						.1	.3	.3	.4	1.2	.3							19	19			
16/75					.1	.3	.3	.3	.3	.1	.1							9	9	7		
14/73					.1	.4	.1	.3										7	7	27		
17/71					.2	.1		.1	.3									4	4	72		
17/69																				138	1	
17/67																				174		
16/65																				144	1	
14/63																				54	3	
17/61																				62	17	
17/59																				25	49	
18/57																				9	75	
16/55																				2	79	
14/53																					92	
12/51																					92	
18/49																					60	
18/47																					2	
14/45																					69	
14/43																					36	
12/41																					22	
10/39																					12	
Element (X)	Σ X²	Σ X		X̄		s²		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

MONITOR

PAGE 2

1600-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.S.	Dry Bulb	Wet Bulb	Dew Point
70 / 87																					
76 / 90																					
84 / 93																					
92 / 99																					
10742						.5	.9	.5	1.5	3.2	7.5	10.9	15.1	14.9	16.5	12.8	9.0	6.6	744	744	744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 73-80 MESAO AIR TERMINAL CA  
STATION NAME

73-80

YEARS

JUL  
MONTH

PAGE 1

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
67/ 69														.3	.3		.1		1	1				
68/ 69														.3	.9	.3			4	4				
69/ 69											.1	.3	.9	.3					12	12				
70/ 69											.1	.6	.3	.1					10	10				
71/ 69											.3	1.2	1.7	.8					30	30				
72/ 69									.9	.8	1.9	1.3	.1						36	36				
73/ 69								.1	1.2	3.0	4.8	1.5	.1						80	80				
74/ 69							.1	.5	3.4	4.4	2.3	.5							84	84				
75/ 69							.1	2.4	4.7	3.1	1.7								90	90				
76/ 79							.7	3.2	2.6	3.6	.9		.1						88	88				
77/ 77						.3	2.2	3.5	3.2	1.5	.3	.1							82	82				
78/ 75						1.3	1.3	3.0	1.6	1.6	.1								68	68				
79/ 77					.6	1.3	1.8	2.6	.5	.5									55	55	1			
72/ 71					.3	1.5	1.7	1.7	.8	.3									52	52	21			
70/ 69				.4	.5	.7	.6	.1	.3										21	21	62			
67/ 67				.3	.4	.4	1.1	.4											19	19	115			
60/ 65				.1	.1	.5	.1												7	7	177			
74/ 65					.1	.1													2	2	130			
72/ 61					.1														1	1	119			
71/ 59																					52			
77/ 57																					42			
58/ 55																					21			
54/ 53																					4			
72/ 51																								
50/ 49																								
48/ 47																								
46/ 45																								
44/ 43																								
42/ 41																								
40/ 39																								
36/ 37																								
35/ 35																								
34/ 33																								
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

STATION	STATION NAME
5-19	ESNO AIR TERMINAL CA

73-80

**YEARS**

**July**

PAGE ? 2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

JUL  
MONTM

PAGE 1

ALL

MOUSE 14.5.2.1

[illegible]

## PSYCHROMETRIC SUMMARY

7.3-8C

YEARS

JUL  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

0-26-5 (C-1A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

73-80

**YEARS**

4115

ADJ  
MONTH

PAGE 1

3000-0200  
HOURS (L. S. T.)

[illegible]

**JSAFETAC**  
FORM  
MIL 44  
0-76-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

AUC  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

STATION	STATION NAME
4-103	1. FORD AIR TERMINAL CA

73-80

**YEARS**

ALG  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]

FEDERAL CLIMATOLOGY BRANCH  
AFSTAC  
AIR WEATHER SERVICE/HAL

# PSYCHROMETRIC SUMMARY

STATION FRESNO AIR TERMINAL CA  
STATION NAME

73-80

YEARS

AUG  
MONTH

PAGE 1 8920-1162  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
0 / 99													.1					1	1					
1 / 97												.3	.3					6	6					
2 / 95											.4	.7			.1			9	9					
3 / 93										.4	.8	.5	.7	.1	.1			20	20					
4 / 91										.8	2.0	1.2	.9	.1				38	38					
5 / 89									.4	.7	2.0	1.6		.1				36	36					
6 / 87								.1	1.3	2.8	2.4	1.7	.1					54	64					
7 / 85						.1		.8	1.9	3.0	2.3	.9	.1					58	62					
8 / 83						.1	.1	.7	3.6	3.4	1.5	.4						73	73					
9 / 81						.3	.7	3.4	3.5	1.6	.5							71	71					
10 / 79					.1	.3	2.0	3.9	3.4	1.5	.5							87	87					
11 / 77					.4	2.8	5.2	2.3	.4	.3								85	85					
12 / 75					.1	.5	3.3	2.2	.5	.1								48	48	14				
13 / 73			.3	.1	2.0	2.6	1.9	.3	.1									54	54	26				
14 / 71				.1	1.2	1.6	1.6	.1										35	35	52				
15 / 69			.1	.1	1.2	1.6	.5	.1										28	28	63				
16 / 67				.1	.9	.1	.1											10	10	144				
17 / 65		.3	.1	.1	.3													6	6	144				
18 / 63	.1	.1	.1	.3														5	5	125				
19 / 61																				94				
20 / 59																				51				
21 / 57																				7				
22 / 55																				2				
23 / 53																								
24 / 51																								
25 / 49																								
26 / 47																								
27 / 45																								
28 / 43																								
29 / 41																								
30 / 39																								
TOTAL	.1	.0	.4	1.1	4.0	7.1	13.0	16.4	17.2	14.8	12.8	7.4	2.3	.7	.3			744	744	744				
Element (X)	ΣX'		ΣX		X		°A		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum	1506.47		32571		43.8		4.438		744		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	426250		58322		81.1		6.916		744						91.6		82.5		53.5		4.5		93	
Wet Bulb	3242527		49033		65.0		3.553		744						40.1		5.3						93	
Dew Point	2375601		41899		56.3		4.644		744						1.3								93	

USAFETAC FORM 0-26-5 (OL A) 10-64  
REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION MESNO AIR TERMINAL CA  
STATION NAME

73-80

YEARS

AUG  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-6	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
12/107															.1	.1	.1	3	3			
12/105														.2	.3	.3	.9	13	13			
12/103															.3	.7	.5	11	11			
12/101														1.3	.9	.7	.4	25	25			
10/99												.3	.1	1.6	1.3	1.3	.1	36	36			
10/97												.1	.1	2.6	2.3	1.2	.4	52	52			
10/95											.1	1.1	3.2	3.6	1.9	.4		76	76			
10/93											.4	1.6	3.0	3.2	1.1	.4		72	72			
10/91									.1	.4	.7	4.2	2.6	3.1	.4			85	85			
10/89									.1	1.2	3.5	3.2	2.0	.9	.1	.1		54	84			
08/87									.4	.8	3.8	2.3	1.6	.1				67	67			
08/85								.1	1.1	2.6	2.8	1.3	.5					63	63			
04/83								.3	.3	1.3	2.6	.7	.1					48	48			
04/81							.3	.3	1.3	2.6	.7	.1						39	39			
03/79					.3		.3	1.2	.3	.5	.1							24	24	4		
03/77						.1	.1	.8	.7	.3								15	15	6		
03/75						.4	.4	1.1	.1									15	15	23		
03/73						.1	.3	.3										5	5	54		
03/71						.4												3	3	125		
03/69				.1	.2													5	5	155		
01/67		.1	.1															2	2	151	12	
01/65		.1																1	1	117	8	
04/63																				75	50	
02/61																				29	39	
02/59																				5	89	
02/57																					124	
06/55																					142	
04/53																					69	
02/51																					84	
01/49																					64	
01/47																					29	
06/45																					16	
04/43																					12	
02/41																					7	
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		Σ <sub>A</sub>		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

## PSYCHROMETRIC SUMMARY

73-62

YEARS

AGE  
MONTH

PAGE 7 1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

AUG  
MONTH

PAGE 1

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
12/111																	.1	1	1					
11/107																	.3	2	2					
10/107																.3	.4	1.5	16	16				
9/108																.7	1.0	18	18					
8/102														.1	.3	1.2	1.5	26	26					
7/101														.1	1.1	2.2	2.2	45	45					
6/99												.1	.1	.5	3.1	2.6	3.0	70	70					
5/97													1.1	2.0	2.8	1.8	1.2	66	66					
4/89												.1	2.0	3.0	3.2	1.5	.1	81	81					
3/93											.3	1.1	2.4	3.5	3.0	1.2		55	55					
2/91										.7	.7	3.0	3.4	2.0	.4	.4		78	78					
1/89									.1	.5	.7	3.9	2.3	1.3	.1			67	67					
12/87								.1	.4	.2	.7	3.2	1.2	.7	.4	.1		57	57					
11/85								.1	.1	.2	1.9	1.3	.8					38	38					
10/83								.1	.6	1.1	1.1	.7						28	28					
9/81						.1	.1	1.1	.9	1.1	.3							27	27					
8/79			.1	.3		.1	.4	.3	.4									12	12	3				
7/77						.3	.3	.5										8	8	6				
6/75						.5	.1											5	5	16				
5/73																				72				
4/71						.6												6	6	113				
3/69																				154				
2/67		.3	.1															3	3	169				
1/65			.1															1	1	119				
12/63		.3																2	2	49				
11/61																				37				
10/59																				4				
9/57																				51				
8/55																				70				
7/53																				119				
6/51																				113				
5/49																				94				
4/47																				82				
3/45																				53				
2/43																				31				
Element (X)	$\Sigma X^2$		$\Sigma X$																					

USAFETAC  
FORM  
JUL 64  
0-20-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

73-50

**YEARS**

AUG  
MONTA

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
4/ 42																						48											
2/ 41																						3											
1/ 34																						3											
2/ 37																						6											
1/ 35																						1											
34/ 33																						1											
2/ 31																						1											
TOTAL		.2	.2	.1	.3	.6	.5	1.6	3.5	5.4	6.3	13.7	13.3	14.5	15.2	12.1	11.9		742			742											
																			742			742											

U.S. AIR FORCE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 73-80 ESNO AIR TERMINAL CA

73-80

YEARS

AUG  
MONTH

PAGE 1 1900-2020  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
71/105																	.3	2	2						
71/103															.4	.4	.4	9	9						
72/101														.1	.4		.7	9	9						
73/99													.1	.3	1.1	.5	.7	20	20						
74/97													.1	.3	.9	1.2	.3	20	20						
75/95												.1	1.0	1.2	1.2	.3	.5	39	39						
76/93													.7	.9	2.2	2.3		45	45						
77/91										.1	.3	1.1	2.2	2.6	.0	.4		52	52						
78/89									.1	.3	1.3	3.0	3.9	1.5	.4			78	78						
79/87									.7	.7	3.5	2.7	1.3	.4				69	69						
80/85								.1	.3	2.6	3.9	3.1	.7	.1	.1			81	81						
81/83							.1	.5	2.2	3.0	1.8	1.9	.4					72	72						
82/81							.3	.7	2.3	2.5	2.2	.3	.1					66	66						
83/79						.1	.4	1.5	3.1	1.0	1.1	.5						64	64						
84/77				.1	.1	.3	.3	1.5	1.0	1.3								40	40	2					
85/75			.1	.1	.4	.4	.7	.9	1.3	.3	.3							30	30	7					
86/73			.1	.1	.4	.4	.4	1.2	.3	.1								19	19	15					
87/71			.1	.1	.4	.4	.4	.1										11	11	54					
88/69			.5	.2	.2	.2	.1											6	6	92	3				
89/67			.1	.1	.1	.1												2	2	164	1				
90/65		.1	.1															2	2	165	4				
91/63		.7																5	5	130	17				
92/61																				71	33				
93/59																				41	45				
94/57																				6	76				
95/55																				2	103				
96/53																					113				
97/51																					95				
98/49																					150				
99/47																					57				
100/45																					37				
101/43																					17				
102/41																					12				
103/39																					10				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature							Total												
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

STATION	STATION NAME
100	2540 AIR TERMINAL CA

73-87

**YEARS**

AGE  
MONTH

PAGE 2

100-2000  
MORRIS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
36 / 37																						4														
35 / 36																						1														
34 / 35																						2														
33 / 34																						3														
32 / 33																						4														
31 / 32																						5														
30 / 31																						6														
29 / 30																						7														
28 / 29																						8														
27 / 28																						9														
26 / 27																						10														
25 / 26																						11														
24 / 25																						12														
23 / 24																						13														
22 / 23																						14														
21 / 22																						15														
20 / 21																						16														
19 / 20																						17														
18 / 19																						18														
17 / 18																						19														
16 / 17																						20														
15 / 16																						21														
14 / 15																						22														
13 / 14																						23														
12 / 13																						24														
11 / 12																						25														
10 / 11																						26														
9 / 10																						27														
8 / 9																						28														
7 / 8																						29														
6 / 7																						30														
5 / 6																						31														
4 / 5																						32														
3 / 4																																				

## PSYCHROMETRIC SUMMARY

73-45

Luc

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

2100-2300

2225-2361  
HOURS (L. S. T.)

[illegible]

JOINT CLIMATOLOGY BRANCH  
 1401 TAC  
 AIR WEATHER SERVICE/MAL

# PSYCHROMETRIC SUMMARY

STATION ESND AFB TERMINAL CA

73-80

YEARS

DATE

MONTH

PAGE 1

DATE

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																													TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7	8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point												
12/111																		.0	1	1													
11/109																		.0	2	2													
10/107																	.1	.1	.2	19	19												
9/105																.0	.0	.1	.4	33	33												
8/103																.0	.1	.3	.3	46	46												
7/101																.0	.4	.4	.4	79	79												
6/99													.1	.1	.3	.7	.6	.5	127	127													
5/97													.1	.2	.7	.7	.5	.2	144	144													
4/95												.1	.3	.9	1.1	.8	.3	.1	206	206													
3/92											.1	.2	.5	.9	1.1	.8	.2		228	228													
2/91										.0	.3	.5	1.2	1.1	.9	.2	.1		258	258													
1/89									.1	.4	1.0	1.5	1.1	.8	.1	.0			280	280													
8/87									.1	.4	.7	1.5	1.3	.6	.2	.1	.0		284	284													
7/85							.0	.1	.3	.6	1.3	1.5	1.0	.3	.0	.0			304	304													
6/83							.1	.1	.5	1.2	1.5	1.0	.5	.1					289	289													
5/81							.1	.2	.6	1.7	1.3	.7	.1	.0					307	307													
4/79					.0	.2	.2	.7	1.5	1.5	.9	.4	.1						311	311													
3/77				.1	.1	.4	1.2	1.7	1.4	.5	.0								317	317													
2/75				.0	.0	.1	1.2	1.7	1.7	.6	.1	.1							330	330													
1/73		.0	.1	.1	.3	1.7	1.7	.9	.4	.1									312	312													
12/71		.0	.1	.2	1.4	1.9	1.6	.5	.1	.0									347	347													
11/69			.1	.1	2.3	1.9	.3	.2											351	351													
10/67		.1	.3	1.4	1.6	1.1	.4	.1	.0										318	318													
9/65		.1	.5	2.1	1.5	.4	.2	.0											236	236													
8/63	.1	.4	.2	1.9	.5	.2	.0	.0											259	259													
7/61	.1	.6	1.4	1.3	.5	.1	.0	.0											240	240													
6/59	.1	.3	1.2	.7	.1	.1	.1												150	150													
5/57	.1	.4	.6	.2	.1														70	70													
4/55	.3	.2	.1	.0															73	73													
3/52	.1	.1	.0																13	13													
2/51																																	
1/49																																	
12/47																																	
11/46																																	
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		σ <sub>a</sub>		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total										
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

USAFETAC FORM 44 0-26-5 (OL A) REVISED MARCH 1965 OF THE FORM AIR OBSOLETE

## PSYCHROMETRIC SUMMARY

TEARS

AUG  
MONTH

430

**ALL**

ALL  
NOTES (L. S. T.)

[illegible]

**JSAFETAC** FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

SEP  
MONTH

0000-0200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1

[illegible]

## PSYCHROMETRIC SUMMARY

93103  
STAT

FRESNO AIR TERMINAL CA  
STATION NAME

72-79

**YEARS**

SEP  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

92195 FRESNO AIR TERMINAL CA

72-79

YEARS

SEP  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
96/ 97															.1			1	1				
94/ 97												.3	.4	.4				3	8				
92/ 91											.4	.4	.3	.3				10	10				
90/ 89										.3	1.0	1.7	.1		.3			24	24				
88/ 87										1.1	2.1	.7	.3	.1				31	31				
86/ 86									1.2	3.1	1.7	.3		.1				50	50				
84/ 83									2.6	2.6	1.0	.7						50	50				
82/ 81							.4	3.5	2.5	2.2	.6	.1						67	67				
80/ 79						.1	.7	2.9	2.9	1.1	.8	.4						65	65				
78/ 77							2.8	3.6	1.4	.8								69	69				
76/ 75							2.2	3.8	2.9	1.1	1.0							79	79				
74/ 73							2.8	3.6	1.8	1.1								73	73				
72/ 71		.1	.3	.3	1.4	2.5	3.6	.3	.4	.3								69	59	12			
70/ 69		.1	.4	.4	.7	2.5	1.4	.7	.1	.1								47	47	68	2		
68/ 67			.1	.4	2.1	1.9	.7	.3										40	40	108	5		
66/ 65		.3		.4	.4		.1	.1										13	13	133	3		
64/ 62		.7		.6	.4	.6	.1	.1										18	18	128	7		
62/ 61		.4			.1													4	4	119	27		
60/ 59							.1											1	1	83	108		
58/ 57				.1														1	1	40	119		
56/ 55																				17	122		
54/ 53																				7	116		
52/ 51																				4	79		
50/ 49																				1	47		
48/ 47																					26		
46/ 45																					20		
44/ 43																					18		
42/ 41																					7		
40/ 39																					7		
38/ 37																					7		
TOTAL		1.7	1.1	2.6	5.7	13.1	18.3	16.3	14.0	12.6	7.5	4.6	1.1	1.0	.4			720	720	720	720		
																		720		720			
Element (X)	Σx²		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	1590628		33600		46.8		12.604		720		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total
Dry Bulb	4331791		55619		77.2		7.007		720						85.4		65.9		34.0		1.1		90
Wet Bulb	2928368		45836		63.7		3.893		720						23.5								90
Dew Point	2152233		39191		54.4		5.139		720						.9								90

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93193 ESNO AIR TERMINAL CA

72-70

SEP  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
104/103																.1	.1	2	2							
102/101																.6	.4	10	10							
100/99														.3	1.1	.7	.1	15	16							
98/97													.4	1.3	1.3	.6	.1	26	26							
96/95												.3	.8	2.4	1.4	.1	.4	39	39							
94/93												1.8	2.5	2.6	.7	.3		57	57							
92/91											.4	3.5	2.9	1.0	1.1			64	64							
90/89										.3	2.9	3.5	2.1	.7				68	68							
88/87									.1	1.8	3.9	2.4	1.1	.3				69	69							
86/85									.8	2.4	2.6	1.1	.4	.4				56	56							
84/83								.7	1.9	3.9	2.5	.7	.4					73	73							
82/81								1.3	2.1	2.5	.4	1.0	.1					53	53							
80/79							.7	1.4	3.2	2.1	1.0	.4	.1					64	64							
78/77				.1	.1	.1	1.4	1.4	2.1	.6	.6		.1					47	47							
76/75				.1	.1	.3	.7	2.5	.3	.3		.4						38	38							
74/73				.4	.3	.3	.4	.6	.1	.1	.1							17	17	17						
72/71		.1	.7	.1	.3			.1										10	10	67						
70/69			.3	.1			.3	.1										6	6	151	1					
68/67							.1											1	1	131	6					
66/65						.1												1	1	137	4					
64/63		.4																3	3	111	10					
62/61																				47	33					
60/59																				31	61					
58/57																				11	151					
56/55																					3					
54/53																				4	118					
52/51																										
50/49																					86					
48/47																					67					
46/45																					26					
44/43																					25					
42/41																					11					
40/39																					13					
38/37																					9					
																					4					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OL-A) REVID REVISED EDITIONS OF THIS FORM ARE OBSOLETE

2332

## PSYCHROMETRIC SUMMARY

72-79

SEP  
MONTH

PAGE 2      1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 07103 FRESNO AIR TERMINAL CA

72-79

YEARS

SEP  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
104/103																.8	.8	12	12							
102/101																.8	1.4	27	27							
100/99															1.3	1.8	.6	26	26							
98/97													.3	.4	2.5	1.5	.6	38	38							
96/95													1.0	2.8	3.5	.5	.3	58	58							
94/93											.1	.7	3.5	5.3	2.2	.6	.1	90	90							
92/91											.7	1.9	2.2	3.1	1.3	.1		67	67							
90/89										.1	2.4	2.1	2.1	1.3	.3	.1		60	59							
88/87										.7	2.9	1.3	1.7	.1	.3			50	50							
86/85									.7	2.2	4.3	1.4	1.1	.7	.1			76	76							
84/83								.3	.3	2.8	1.7	.8	.8	.4		.1		52	52							
82/81								.7	1.1	1.3	.7	.8	.7					38	38							
80/79							1.1	1.8	1.6	.4	.4	.7						45	45							
78/77				.3	.4	.1	1.9	1.4	.6	.3		.1						37	37							
76/75				.1	.1	.7	.8	.4				.3	.3					20	20							
74/73			.4															3	3	20						
72/71							.3	.3										4	4	57						
70/69		.4	.1	.4				.3										9	9	174						
68/67			.1	.1														4	4	139	16					
66/65		.1	.1															2	2	151	2					
64/63																		1	1	64	8					
62/61																				41	17					
60/59																				26	46					
58/57																				16	73					
56/55																				3	97					
54/53																				5	143					
52/51																					96					
50/49																					71					
48/47																					49					
46/45																					33					
44/43																					17					
42/41																					11					
40/39																					15					
38/37																					9					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

72-79

SEP  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

94193 SRESNO AIR TERMINAL CA  
STATION STATION NAME

72-79  
YEARS

SEP  
MONTH

PAGE 1 1600-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
102/101																	.1	1	1																	
100/ 99																	.1	1	1																	
98/ 97															.1	.3	.1	.1	5	5																
96/ 95													.1	.7	.6	.1		11	11																	
94/ 93												.1	.1	.7	.3	.1		10	10																	
92/ 91												.8	1.1	.8	.3	.1		23	23																	
90/ 89										.1	.3	2.8	1.5	.4	.1			39	39																	
88/ 87										.3	2.4	2.2	1.1	.3	.2			46	46																	
86/ 85									.6	2.1	2.1	1.5	.7	.3	.1			53	53																	
84/ 83								.1	1.4	4.0	1.3	.7	.3					56	56																	
82/ 81								.7	3.1	3.8	2.2	.7	.1					76	76																	
80/ 79							.1	2.5	3.9	1.8	1.0	.6	.1					71	71																	
78/ 77					.3	.1	2.6	3.1	1.9	1.0	.6	.1	.1					71	71																	
76/ 75				.1	.1	1.1	1.7	2.9	1.9	.9	.4	.1						67	67																	
74/ 73			.6	.1	.4	1.1	2.1	3.1	1.9	.3	.1	.1						64	64																	
72/ 71			.1	.1	.7	1.3	2.1	1.3	.8	.1	.3	.3						51	51	8																
70/ 69		.3	.3	.4	.6	1.5	1.5	.7	.6	.3	.1							45	45	48																
68/ 67		.1	.7		.1	.8	.4		.1	.4								17	17	103	7															
66/ 65			.6		.1	.1	.1	.1	.3									10	10	168	6															
64/ 63		.1			.1	.1												3	3	126	4															
62/ 61		.1																1	1	108	13															
60/ 59																				64	48															
58/ 57																				39	82															
56/ 55																				17	113															
54/ 53																					5	113														
52/ 51																				11	95															
50/ 49																					4	78														
48/ 47																						51														
46/ 45																						32														
44/ 43																						23														
42/ 41																						16														
40/ 39																						10														
38/ 37																						7														
36/ 35																						6														
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ													
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				
																							Mean No. of Hours with Temperature													
																							≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	



## PSYCHROMETRIC SUMMARY

TEARS

SEP  
MONTH

PAGE 2 1800-2000  
NOV 19 11 51 AM '71

## PSYCHROMETRIC SUMMARY

**YEARS**

SEP  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	P.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
18/ 67											.1							1	1					
65/ 85									.1		.4	.3						6	6					
54/ 83									.3	1.0	.4							16	16					
52/ 81								.6	1.3	1.5	.3							28	28					
63/ 79							.4	2.2	1.9	.7	.4	.1						42	42					
72/ 77							1.9	2.9	1.1	.6	.1							48	48					
76/ 75							2.5	4.0	3.5	1.1	.4	.1						54	54					
74/ 73			.1	.3	.4	2.6	4.0	1.9	.7	.3								76	73					
72/ 71			.4	.1	2.2	5.4	3.6	1.0	.6									103	103					
70/ 69		.1	.3	.7	2.9	3.9	2.1	.7	.1									78	78		3			
68/ 67		.6	1.0	1.1	3.6	3.3	1.1	.6										61	21	29	4			
66/ 65		.1	.4	2.5	3.3	1.9	1.3	.4										72	72	92	6			
64/ 63	.1	1.0	.4	.4	2.1	1.0	.3	.5										42	42	143	8			
62/ 61	.1	.4	.4	.6	1.3	.3	.3											24	24	166	18			
60/ 59			.1	.1	.4	.1	.6	.1										11	11	109	55			
58/ 57			.1	.3		.1												4	4	93	105			
56/ 55																		1	1	43	126			
54/ 53					.1													1	1	25	128			
52/ 51																				8	82			
50/ 49																				18	74			
48/ 47																				4	33			
46/ 45																				1	34			
44/ 43																					19			
42/ 41																					7			
40/ 39																					11			
38/ 37																					5			
36/ 35																					4			
34/ 33																					5			
32/ 31																					1			
TOTAL	.3	2.2	3.3	6.1	16.4	22.5	18.6	14.3	8.2	4.7	1.9	.4						720	720		720			
																		720		720				
Element (X)	$\Sigma X^1$	$\Sigma X$																						



## PSYCHROMETRIC SUMMARY

92193	FRESNO AIR TERMINAL CA
STATION	STATION NAME

7-79

**YEARS**

SEP  
MONTH

PAGE 2

ALL

HOURS (L, S, T)

## PSYCHROMETRIC SUMMARY

YEARS

OCT  
MONTH

0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

OCT

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

0300-0500

0300-030  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

OCT  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

97193 FRESNO AIR TERMINAL CA

72-79

OCT  
MONTH

PAGE 1

0900-1100  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
95/ 89												.1						1	1			
88/ 87										.1	.3	.1						4	4			
86/ 85									.1	.4	.4							7	7			
84/ 83									.1	.8	.3							9	9			
82/ 81								.5	.4	.4	.3	.1						13	13			
80/ 79							.1	1.2	1.9	1.2	.1							34	34			
78/ 77						.1	.8	.9	1.5	.7	.3							32	32			
76/ 75						1.2	1.2	3.9	.8	.4	.1							57	57			
74/ 73					.3	1.3	3.1	2.4	.3	.4								58	58			
72/ 71				.4	1.1	1.7	3.2	1.7	.1									62	62			
70/ 69				.1	1.3	4.0	3.6	.5	.1									73	73	3		
68/ 67			.1	.8	2.3	3.6	1.6	.8	.3									71	71	26		
66/ 65			.5	1.5	4.0	2.6	.8	.5	.1									75	75	41		
64/ 63			.8	2.3	2.2	2.7	.7	.5										68	68	71	3	
62/ 61		.1	.7	2.8	2.0	.8	.5	.1										53	53	117	11	
60/ 59		.1	1.7	1.6	1.2	.7	.5	.1										45	45	118	26	
58/ 57		.3	1.2	1.6	.3	.1	.3	.1										29	29	116	50	
56/ 55	.1	.8	1.2	.3	.7	.7	.3											30	30	89	73	
54/ 53	.1	.4	.7	.1	.1	.3	.1											14	14	71	120	
52/ 51		.3			.3													4	4	43	140	
50/ 49																				19	115	
48/ 47			.1	.3	.1													4	4	11	72	
46/ 45					.1													1	1	9	38	
44/ 43																				5	26	
42/ 41																				3	14	
40/ 39																				1	16	
38/ 37																				1	13	
36/ 35																					12	
34/ 33																					5	
32/ 31																					4	
30/ 29																					1	
28/ 27																					3	
26/ 25																					2	
Element (X)	Σ X²		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 84 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

**YEARS**

OCT  
MONTH

PAGE 2

2950-1160  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

OCT  
MONTH

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

057

MONTH

PAGE 1

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
100/ 99																	.3	2	2					
98/ 97															.3	.1		3	3					
96/ 95													.1	.5	.8			11	11					
94/ 93													.4	.7	.5			12	12					
92/ 91												.3	.3	1.6	.5			20	20					
90/ 89											.6	.8	1.6	2.3	.1			42	42					
88/ 87										.3	1.1	1.6	2.2	.4				41	41					
86/ 85									.3	1.3	1.1	2.3	1.6	.3				51	51					
84/ 83										1.9	1.9	1.9	1.2	.1				52	52					
82/ 81								.7	1.5	2.0	2.0	.5	.4	.1				54	54					
80/ 79							.1	.3	2.7	2.3	1.2	.3						55	55					
78/ 77							.1	1.5	2.4	1.5	1.2	.5	.1					63	63					
76/ 75								1.3	2.2	1.6	1.3	.3	.1					51	51					
74/ 73						.1	1.5	2.3	.8	.4	.8	.1						49	49					
72/ 71					.3	.7	3.5	2.0	.5	.5	.4							59	59	1				
70/ 69					.7	.7	1.9	2.2	.8	.1	.4							50	50	30				
68/ 67				.3	1.2	.7	1.6	1.2	.7	.4								45	45	52				
66/ 65			.3	.3	.7	.5	.7	.7	.3	.5								29	29	91				
64/ 63			.5	.5	.5	.1	.4		.7	.7								24	24	125				
62/ 61		.1	.1	.3		.1		.1	.1	.1								8	8	134				
60/ 59		.3	.1	.1	.1	.1			.4									9	9	98				
58/ 57		.3	.1															3	3	84				
56/ 55		.7	.4															8	8	44				
54/ 53			.3															2	2	39				
52/ 51		.1																1	1	19				
50/ 49																				12				
48/ 47																				5				
46/ 45																				6				
44/ 43																				4				
42/ 41																								
40/ 39																								
38/ 37																								
36/ 35																								
34/ 33																								
Element (X)	$\Sigma x^2$			$\Sigma x$ </																				

## PSYCHROMETRIC SUMMARY

67193	FRESNO AIR TERPINAL CA
STATION	STATION NAME

72-79

**YEARS**

OCT  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

72-70

**YEARS**

ECT  
MONTH

PAGE 1 1200-2000  
MAY 11 1964

[illegible]

## PSYCHROMETRIC SUMMARY

95193	FRESNO AIR TERMINAL CA
STATION	STATION NAME

72-79

OCT

PAGE 2 1800-2000  
HOURS (E.S.T.)

[illegible]





## PSYCHROMETRIC SUMMARY

OCT

STATION

STATION NAME

**YEARS**

**WEAVER**

PAGE 1

**-ALL**

104-15 (L. S. 7.1)

[illegible]

## PSYCHROMETRIC SUMMARY

72-79

**YEARS**

OCT  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

72-79

NOV  
MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

72-70

**YEARS**

NOV  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

95103	POESNO AIR TERMINAL CA
STATION	STATION NAME

72-79

YEARS

NOV  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93193  
STATION

FFESNO AIR TERMINAL CA  
STATION NAME

72-79  
YEARS

NOV  
MONTH

PAGE 1

0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
76/ 75								.1										1														1					
74/ 73									.1	.1								2														2					
72/ 71							.1	.8										7														7					
70/ 69						.1	.6	.1	.1									7														7					
68/ 67					.4	.3	1.0	.3										14														14					
66/ 65				.3	.7	1.1	.4	.7	.1	.1								26														26					
64/ 63				.6	.7	2.6		.4										31														31					
62/ 61			.1	1.1	1.4	1.3	.5		.1									35														35					
60/ 59		.1	1.4	2.4	3.2	.8	.1	.1										59														59	14				
58/ 57		.4	3.1	2.2	2.6	.4	.3											65														65	24				
56/ 55	.1	1.7	3.2	3.2	.6	.4												70														70	57	11			
54/ 53	.6	2.5	4.4	2.1	.3	.1												72														72	98	24			
52/ 51	1.1	4.3	4.5	1.8	.7													86														86	113	59			
50/ 49	.6	3.6	3.2	.3	.1	.1	.4											60														60	115	68			
48/ 47	.8	2.5	1.1	.4	.4													38														38	81	127			
46/ 45	2.4	5.5	1.4	.7		.1												69														69	79	114			
44/ 43	1.1	2.9	.7	.3		.1												37														37	53	99			
42/ 41	1.1	.3	1.0	.1														18														18	19	81			
40/ 39	.8	.3	.4															11														11	25	53			
38/ 37	.7	.6	.1															10														10	10	26			
36/ 35	.1																	1														1	3	21			
34/ 33		.1																1														1	1	15			
32/ 31																																		2		9	
30/ 29																																				3	
28/ 27																																				2	
26/ 25																																				2	
22/ 21																																				1	
20/ 19																																				5	
TOTAL	9.4	24.3	24.6	15.6	11.1	7.6	3.9	2.6	.6	.3								720														720	720	720			
Element (X)	Σx'		Σx		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.	4159654		53282		74.0		17.358		720		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	2101951		38535		53.5		7.414		720				5.9	.4			90																				
Wet Bulb	1746408		35284		49.0		5.180		720				.3				90																				
Dew Point	1455319		32113		44.6		5.660		720				2.8				90																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





## PSYCHROMETRIC SUMMARY

97193	FRESNO AIR TERMINAL CA
STATION	STATION NAME

72-79

YEARS

NOV  
MONTH

PAGE 2

1200-1460  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

92193 FRESNO AIR TERMINAL CA

72-79

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
62/ 61											.3	.4	.1					6	6				
60/ 79											.4		.1					6	6				
76/ 77										1.4	.1		.1					12	12				
76/ 75							.6	.1	.7	.8		.3	.3					20	20				
74/ 73							.7	.8	2.2	.6	.4							34	34				
72/ 71						.3	.7	1.8	1.7	.6	.1							37	37				
70/ 69					.4	.1	1.4	1.7	.6		.3							32	32				
68/ 67			.1	.1	.1	1.3	2.4	1.5	1.0									47	47				
66/ 65				.4	.4	2.4	2.2	.8		.1								49	49				
64/ 63			.3	.6	1.5	2.9	2.1	.4	.3									60	60	6			
62/ 61		.1	.3	1.0	2.2	1.1	.8	.6	.3									53	53	24			
60/ 59		.4	1.8	2.4	3.2	1.9	1.1	.1										79	79	42	2		
58/ 57		1.3	1.1	2.6	2.5	1.0	.4	.3										66	66	89	8		
56/ 55		.8	1.9	2.6	2.4	.4	.4											62	62	123	21		
54/ 53	.3	1.7	2.4	1.0	.8	.4		.3	.3									51	51	99	23		
52/ 51		1.7	1.5	1.4	.4	.3	.4											41	41	111	54		
50/ 49		.4	1.4	.4	.6	.3		.3										24	24	77	65		
48/ 47		1.3	.6	.4														16	16	60	112		
46/ 45	.4	2.6		.1														23	23	46	107		
44/ 43		.1																1	1	23	102		
42/ 41																				8	72		
40/ 39																				9	54		
38/ 37																					37		
36/ 35																				2	5		
34/ 33																					23		
32/ 31																					5		
30/ 29																					6		
28/ 27																					5		
26/ 25																					3		
24/ 23																					4		
22/ 21																					2		
16/ 15																					2		
14/ 13																					1		
12/ 11																					1		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-20-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

អង្គប

**MONTH**

PAGE 1

2150-2350  
MAY 11 1964

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

93193 FRESNO AIR TERMINAL CA

72-79

NOV  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
64/ 63													.0					1	1							
62/ 61												.0	.1	.0				7	7							
60/ 79											.1	.1	.0	.0				13	13							
75/ 77										.1	.2	.0	.0	.0				23	23							
76/ 75							.1	.1	.2	.2	.0	.1	.0					36	36							
74/ 73						.0	.1	.2	.6	.2	.1							63	63							
72/ 71						.1	.2	.6	.4	.2	.0	.0						86	86							
70/ 69					.1	.1	.4	.4	.2	.0	.1							77	77							
68/ 67			.0	.2	.2	.3	1.0	.5	.2		.0							127	127							
66/ 65			.1	.2	.4	.9	.6	.3	.0	.0								144	144							
64/ 63			.1	.5	.7	1.3	.5	.1	.1									187	157	10						
62/ 61		.0	.2	.7	1.3	.6	.4	.2	.1									197	197	60						
60/ 59		.2	.8	1.2	1.6	.7	.2	.1	.0									277	277	112	4					
58/ 57		.6	1.5	1.7	1.4	.4	.2	.1										343	343	225	24					
56/ 55	.0	1.4	2.1	1.8	.9	.3	.1											378	378	390	86					
54/ 53	.9	2.7	2.3	1.5	.5	.2	.1	.1	.1									454	454	557	176					
52/ 51	.7	4.0	2.3	1.2	.3	.1	.1	.0										507	507	624	355					
50/ 49	.7	3.9	2.6	.8	.3	.1	.1	.0										489	489	631	459					
48/ 47	1.1	4.7	1.8	.6	.3	.1	.0	.0										495	495	639	764					
46/ 45	2.1	6.2	1.7	.4	.1	.1	.0											608	608	673	798					
44/ 43	1.3	5.1	.6	.2	.0	.0												416	418	586	722					
42/ 41	1.1	2.8	.5	.1		.0												258	258	459	659					
40/ 39	1.4	1.8	.3	.0		.0												208	208	291	569					
38/ 37	1.1	1.5	.1	.0		.0												157	157	203	390					
36/ 35	.7	.9	.1	.0		.0												101	101	143	222					
34/ 33	.3	.6	.0	.0	.0													54	54	71	191					
32/ 31	.1	.3	.1	.0														30	30	42	117					
30/ 29	.1	.2	.0															18	18	27	68					
28/ 27																				6	42					
26/ 25		.0																1	1	6	21					
24/ 23																					7					
22/ 21																					13					
20/ 19																					15					
18/ 17																					3					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

NOV

## STATION

STATION NAME

**YEARS**

**SECRET**

ALL

ALL  
NOWES (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

<u>93193</u>	<u>FRESNO AIR TERMINAL CA</u>
STATION	STATION NAME

72-79

**CCC**

PAGE 1

0030-0200

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTH

PAGE 1

0320-6560  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

DEC

**MONTH**

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

43193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

72-74  
YEARS

DEC  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
68/ 67								.1										1	1					
62/ 61		.1	.4			.1	.1	.1										7	7					
50/ 59		.4	.5	.3	.1		.1	.1										12	12	1				
58/ 57		1.5	.5	1.2	.1		.4											28	28	8	3			
55/ 55		.5	.5	.3	.4	.1												18	18	16	11			
54/ 53	.4	1.6	1.9	.9	.9	.5												46	46	28	15			
52/ 51	.7	1.2	2.4	1.7	.4	.1												49	49	33	22			
50/ 49	.4	2.4	3.2	1.7	.8													64	64	33	16			
48/ 47	.3	3.6	3.2	.7	.1													59	59	67	31			
46/ 45	2.3	6.0	2.3	1.2		.1												89	89	92	62			
44/ 43	2.5	6.6	2.6	1.1	.1													92	92	106	75			
42/ 41	2.8	6.0	2.0	1.2	.1													91	91	94	94			
40/ 39	3.9	4.7	1.7	.4														80	80	100	98			
38/ 37	2.2	1.3	.9	.1														34	34	67	64			
36/ 35	1.3	1.9	1.5	.1														36	36	40	75			
34/ 33	.4	1.2	.1															13	13	27	48			
32/ 31	.5	.4																7	7	21	36			
30/ 29	.9	.8																13	13	12	24			
28/ 27	.4	.1																4	4	6	25			
26/ 25	.1																	1	1	1	10			
24/ 23																					7			
22/ 21																					2			
TOTAL	18.7	48.9	24.2	10.9	3.2	1.1	.7	.4										744	744	744	744			

2351  
USAFETAC FORM 0-26-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

## PSYCHROMETRIC SUMMARY

**YEARS**

550

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

72-79

**YEARS**

DEC  
MONTH

PAGE 1 1500-1700  
HOURS (L - S - T -)

[illegible]

[illegible]

## PSYCHROMETRIC SUMMARY

72-75

**YEARS**

DEC  
MONTHS

PAGE 1 2100-2300

200-2500  
NORFOLK 11-5-71

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

93193      FRESNO AIR TERMINAL CA      72-79      YEARS      DEC      MONTH

PAGE 1      ALL      HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
76/ 75																		1	1																	
74/ 73																		2	2																	
72/ 71										.1	.0							5	5																	
70/ 69							.0	.0	.0	.1								6	6																	
68/ 67							.1	.1	.1	.1								14	14																	
66/ 65		.0	.0	.2		.1	.1	.0	.1									30	30	1																
64/ 63				.1	.2	.1	.3	.1	.2									54	54		1															
62/ 61		.1	.4	.1	.3	.3	.4	.1										107	107	2																
60/ 59		.2	.2	.4	.4	.6	.5	.1										141	141	23																
58/ 57		.6	.5	1.0	.4	.4	.2											189	189	50	18															
56/ 55	.0	1.5	.7	.8	1.2	.4	.1	.0										278	278	117	68															
54/ 53	.3	1.4	1.7	1.0	.7	.4	.1	.0										344	344	256	115															
52/ 51	.2	1.7	1.6	.8	.5	.2	.1											306	306	266	156															
50/ 50	.3	2.5	1.9	1.0	.3	.1	.0	.0										360	360	413	129															
48/ 47	.8	4.0	1.8	.8	.2	.1	.0											456	456	478	383															
46/ 45	1.6	5.0	2.0	.6	.2	.1												565	565	613	434															
44/ 43	1.6	5.8	2.4	.5	.1	.0												615	615	624	557															
42/ 41	2.7	4.8	1.2	.3	.0													535	535	684	674															
40/ 39	3.5	3.8	.5	.2	.0													479	479	651	583															
38/ 37	2.3	2.6	.5	.2														357	357	470	665															
36/ 35	2.3	3.2	.5	.1														356	356	350	596															
34/ 33	1.2	2.7	.4															258	258	311	364															
32/ 31	1.4	2.3	.2															232	232	279	361															
30/ 29	1.2	1.6																165	165	215	262															
28/ 27	.8	.4																75	75	112	215															
26/ 25	.1	.1																10	10	24	128															
24/ 23	.1	.1																6	6	6	65															
22/ 21																					48															
20/ 19																					19															
18/ 17																					3															
16/ 15																					2															
TOTAL	20.9	44.4	16.4	8.1	4.7	3.0	1.6	.5	.2	.2	.0	.0						5948		5948																
Element (X)	ΣX			ΣX			ΣX			ΣX			ΣX			ΣX			ΣX			ΣX														
Rel. Hum.	42123844			491800			82.7			15.670			5948			10 F			32 F			67 F			73 F			80 F			93 F			Total		
Dry Bulb	12265683			265289			44.6			8.537			5948			61.0			3.5			.4									744					
Wet Bulb	10809490			250098			42.0			7.025			5948			79.9															744					
Dew Point	9383410			232398			39.1			7.141			5948			138.0															744					

FORM 0-36-5 (OL/A) STYLED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC





## PSYCHROMETRIC SUMMARY

72-80

ALL

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

011

ALL  
INDICES (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

97193 FRESNO AIR TERMINAL CA

72-80

STATION	STATION NAME	YEARS												
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-01	MEAN	42.3	45.6	48.5	52.2	59.7	66.8	71.8	69.9	65.5	57.0	46.3	40.4	55.6
	S.D.	6.899	5.267	5.763	5.573	6.589	6.370	5.738	5.896	5.196	6.316	5.837	6.648	12.289
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	720	744	8766
03-05	MEAN	41.0	43.9	46.1	49.0	55.4	61.8	66.7	65.1	61.6	53.9	44.5	39.0	52.4
	S.D.	7.326	5.904	5.986	5.404	5.628	5.892	5.540	5.540	5.069	6.082	6.008	6.953	11.109
	TOTAL OBS	744	678	744	720	744	720	743	744	720	744	720	743	8764
06-08	MEAN	40.4	43.6	46.6	51.8	60.5	67.3	71.5	68.5	63.9	55.0	44.2	38.5	54.4
	S.D.	7.636	6.093	6.187	6.803	7.779	7.450	6.606	6.800	6.216	6.840	6.098	7.157	13.183
	TOTAL OBS	744	678	743	720	744	720	744	744	720	744	718	743	8762
09-11	MEAN	46.0	51.6	55.8	62.8	72.1	79.3	83.6	81.1	77.2	68.0	53.5	45.0	64.7
	S.D.	6.867	5.985	6.448	8.018	8.544	7.842	6.645	6.910	7.007	7.644	7.414	6.870	15.314
	TOTAL OBS	744	678	743	720	744	720	744	744	720	744	720	744	8765
12-14	MEAN	52.0	58.4	61.7	69.8	80.1	88.0	93.0	90.2	86.0	76.3	60.7	52.1	72.4
	S.D.	6.671	6.529	7.217	8.822	9.359	8.043	6.407	7.313	7.388	8.490	8.248	7.415	16.449
	TOTAL OBS	744	678	743	720	744	720	744	744	720	744	720	744	8765
15-17	MEAN	53.2	60.2	63.1	71.7	82.8	91.4	96.3	93.0	88.5	77.4	61.3	52.7	74.3
	S.D.	6.414	6.654	7.468	9.419	9.873	8.122	6.372	7.473	7.741	9.020	8.180	7.266	17.267
	TOTAL OBS	744	678	744	720	744	720	744	742	719	744	719	744	8762
16-20	MEAN	46.0	54.1	57.5	65.0	76.2	85.5	90.4	86.0	79.7	67.9	53.7	46.4	67.6
	S.D.	5.754	5.269	6.444	8.603	9.778	8.264	6.801	7.554	7.193	7.678	6.223	5.716	16.706
	TOTAL OBS	744	678	744	720	744	720	744	741	720	744	720	744	8763
21-23	MEAN	44.4	48.9	51.9	57.3	66.5	74.5	79.8	76.5	71.5	61.0	48.9	42.5	60.4
	S.D.	6.188	4.796	5.664	6.509	7.880	7.143	6.201	6.332	5.837	6.726	5.724	6.053	14.142
	TOTAL OBS	744	678	744	720	744	720	744	741	720	744	720	742	8761
ALL HOURS	MEAN	45.0	50.8	53.9	59.9	69.2	76.8	81.6	78.8	74.2	64.6	51.6	44.6	62.7
	S.D.	6.119	5.384	6.943	11.044	12.633	12.647	12.077	11.882	11.566	11.403	9.313	8.537	16.661
	TOTAL OBS	5952	5424	5949	5760	5952	5760	5951	5944	5759	5952	5757	5948	70108

USAF ETAC FORM OCT 78 0-89.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93193 FRESNO AIR TERMINAL CA

72-80

STATION		STATION NAME												YEARS	
HRS (LST.)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	41.1	44.0	46.0	47.6	52.6	56.9	61.0	61.0	58.6	52.7	44.3	39.2	50.5	
	S.D.	6.758	4.982	5.702	4.523	5.053	4.811	3.985	3.705	4.013	5.459	5.309	6.358	9.034	
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	719	744	8765	
03-05	MEAN	40.0	42.6	44.3	45.9	50.6	54.7	58.9	58.9	56.6	50.8	42.9	39.1	48.7	
	S.D.	7.043	5.486	5.793	4.573	4.957	4.745	4.300	3.743	4.242	5.508	5.618	6.685	8.866	
	TOTAL OBS	744	678	744	720	744	720	743	744	720	744	720	743	8764	
06-08	MEAN	39.4	42.2	44.4	47.5	53.0	57.2	60.9	60.4	57.6	51.3	42.8	37.6	49.6	
	S.D.	7.285	5.727	5.612	5.038	5.389	4.933	4.460	4.157	4.417	5.778	5.677	6.907	9.735	
	TOTAL OBS	744	678	742	720	744	720	744	744	720	744	718	743	8761	
09-11	MEAN	43.5	47.2	49.8	53.0	58.1	62.2	66.1	65.9	63.7	58.2	49.0	42.6	55.0	
	S.D.	6.173	4.440	5.280	4.824	5.378	4.804	4.158	3.853	3.893	5.057	5.180	6.045	9.548	
	TOTAL OBS	744	678	743	720	744	720	744	744	720	744	720	744	8765	
12-14	MEAN	47.5	51.4	52.3	55.3	60.4	64.7	68.7	68.4	66.4	61.1	52.5	47.0	58.0	
	S.D.	5.625	4.221	5.235	4.841	5.410	4.574	3.708	3.558	3.643	4.920	4.944	5.637	9.011	
	TOTAL OBS	744	678	743	720	744	720	744	744	720	744	720	744	8765	
15-17	MEAN	48.0	52.0	52.6	55.6	60.5	64.9	69.0	69.5	66.5	60.8	52.6	47.2	58.2	
	S.D.	5.479	4.162	5.349	4.876	5.306	4.310	3.472	3.497	3.740	5.028	4.938	5.555	8.900	
	TOTAL OBS	744	678	744	720	744	720	744	742	719	744	719	744	8762	
18-20	MEAN	45.3	49.3	50.5	53.3	58.2	62.8	66.8	65.9	63.4	57.6	49.2	43.8	55.5	
	S.D.	5.635	4.157	5.412	4.836	5.319	4.473	3.575	3.560	4.008	5.159	4.854	5.367	9.071	
	TOTAL OBS	744	678	744	720	744	720	744	741	720	744	720	744	8763	
21-23	MEAN	42.8	46.5	48.0	50.5	55.3	59.9	64.1	63.5	60.9	54.7	46.3	40.9	52.8	
	S.D.	6.094	4.506	5.594	4.721	5.292	4.808	3.748	3.677	3.969	5.360	5.066	5.855	9.211	
	TOTAL OBS	744	678	744	720	744	720	744	741	720	744	719	742	8760	
ALL HOURS	MEAN	43.4	47.0	48.5	51.1	56.1	60.4	64.4	64.1	61.7	55.9	47.5	42.0	53.5	
	S.D.	6.995	5.955	6.353	5.926	6.330	5.890	5.325	5.075	5.399	6.528	6.401	7.025	9.615	
	TOTAL OBS	5952	5424	5948	5760	5952	5760	5951	5944	5759	5952	5755	5948	70105	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93193 FRESNO AIR TERMINAL CA

72-80

STATION	STATION NAME	YEARS												
HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	39.6	42.3	43.3	43.3	46.2	48.7	53.2	54.7	53.2	49.0	42.1	37.6	46.1
	S.D.	7.255	5.383	6.765	5.570	5.718	6.330	5.064	4.672	5.202	6.327	6.204	6.869	8.075
	TOTAL OBS	744	678	744	720	744	720	744	744	720	744	719	744	8765
03-05	MEAN	38.6	41.1	42.2	42.7	46.0	48.6	52.9	54.2	52.6	48.1	41.2	36.6	45.4
	S.D.	7.384	5.726	6.502	5.251	5.555	5.941	5.103	4.345	5.167	6.084	6.238	7.144	8.194
	TOTAL OBS	744	678	744	720	744	720	743	744	720	744	720	743	8764
06-08	MEAN	38.0	40.6	41.9	43.1	46.3	49.1	53.3	54.6	52.8	48.1	41.1	36.1	45.4
	S.D.	7.554	5.970	6.497	5.167	5.483	5.489	5.106	4.492	5.045	6.112	6.161	7.372	8.420
	TOTAL OBS	744	678	742	720	744	720	744	744	720	744	718	743	8761
09-11	MEAN	40.9	44.0	43.9	44.0	46.7	49.7	54.9	56.3	54.4	50.5	44.6	39.7	47.5
	S.D.	6.636	5.108	6.876	5.542	6.115	6.097	5.217	4.644	5.139	5.987	5.660	6.665	7.945
	TOTAL OBS	744	678	743	720	744	720	744	744	720	744	720	744	8765
12-14	MEAN	42.7	44.7	43.2	42.3	44.9	48.2	53.9	55.2	53.9	49.7	45.0	41.5	47.1
	S.D.	6.735	5.659	7.606	6.598	6.818	6.722	5.435	4.954	5.600	6.548	6.363	6.906	7.947
	TOTAL OBS	744	678	743	720	744	720	744	744	720	744	720	744	8765
15-17	MEAN	42.6	44.1	42.3	40.8	42.5	45.8	51.8	53.3	52.1	48.2	44.4	41.3	45.8
	S.D.	7.147	6.027	8.471	7.512	6.885	6.957	5.623	5.627	6.451	7.059	6.811	7.044	8.085
	TOTAL OBS	744	678	744	720	744	720	744	742	719	744	719	744	8762
18-20	MEAN	42.2	44.6	43.4	42.3	43.1	45.6	51.3	52.8	52.1	49.2	44.8	40.7	46.0
	S.D.	6.819	5.339	8.152	7.203	6.797	6.966	5.764	5.485	6.417	6.927	6.305	6.417	7.740
	TOTAL OBS	744	678	744	720	744	720	744	741	720	744	720	744	8763
21-23	MEAN	41.0	44.1	43.8	43.8	45.6	48.6	53.6	54.6	53.1	49.4	43.6	39.0	46.7
	S.D.	6.849	5.207	7.329	6.083	6.294	6.550	5.025	4.876	5.592	6.669	6.185	6.553	7.881
	TOTAL OBS	744	678	744	720	744	720	744	741	720	744	719	742	8760
ALL HOURS	MEAN	40.7	43.2	43.0	42.8	45.2	48.0	53.1	54.5	53.0	49.0	43.4	39.1	46.3
	S.D.	7.265	5.762	7.340	6.245	6.398	6.548	5.402	5.008	5.651	6.520	6.426	7.141	8.070
	TOTAL OBS	5952	5424	5948	5760	5952	5760	5951	5944	5759	5952	5755	5948	70105

USAF ETAC FORM OCT 73 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93190 FMESNO AIR TERMINAL CA  
STATION STATION NAME

73-80  
PERIOD

JAN  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN -									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	03-02	100.0	100.0	100.0	100.0	99.7	99.5	98.0	91.9	55.2	90.3	744
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	98.8	94.0	58.7	91.2	744
	06-05	100.0	100.0	100.0	100.0	100.0	99.9	98.5	93.3	56.0	91.1	744
	09-11	100.0	100.0	100.0	100.0	98.7	94.9	86.3	64.0	33.5	83.3	744
	12-14	100.0	100.0	100.0	97.6	89.4	77.6	57.0	31.6	10.3	72.1	744
	15-17	100.0	100.0	100.0	94.9	84.9	71.6	53.3	23.0	6.2	69.2	744
	18-20	100.0	100.0	100.0	99.9	98.0	93.7	84.0	57.5	20.0	81.0	744
	21-23	100.0	100.0	100.0	100.0	99.7	98.4	96.1	82.4	42.3	87.8	744
TOTALS		100.0	100.0	100.0	99.1	96.3	91.9	84.1	67.2	34.9	83.3	5952

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

92193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

73-80  
PERIOD

FEB  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	100.0	99.6	97.2	83.9	42.3	88.4	678
	03-05	100.0	100.0	100.0	100.0	99.6	99.4	97.9	89.7	51.0	90.0	678
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	98.1	88.9	49.0	89.5	678
	09-11	100.0	100.0	99.9	99.6	96.3	86.4	69.0	39.7	17.1	75.7	678
	12-14	100.0	100.0	97.6	90.7	72.6	52.4	33.3	14.9	5.6	62.6	678
	15-17	100.0	99.6	95.9	83.3	62.3	40.3	24.0	11.5	4.3	57.9	678
	18-20	100.0	100.0	100.0	98.2	91.2	78.0	54.3	26.3	9.4	71.8	678
	21-23	100.0	100.0	100.0	100.0	99.3	97.5	91.2	65.6	24.6	83.9	678
TOTALS		100.0	100.0	99.2	96.5	90.2	81.6	70.6	52.6	25.4	77.6	5424

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93193 FRESNO AIR TERMINAL CA

73-80

MAR

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	99.2	94.3	86.3	64.1	24.6	32.9	744
	03-05	100.0	100.0	100.0	100.0	100.0	97.8	93.0	78.1	35.3	36.2	744
	06-08	100.0	100.0	100.0	100.0	99.2	96.6	90.2	69.5	24.9	34.0	742
	09-11	100.0	100.0	99.2	94.8	83.7	65.1	40.1	15.7	3.8	36.1	743
	12-14	100.0	99.1	91.8	77.8	55.9	29.9	14.0	3.5	.7	33.1	743
	15-17	100.0	96.9	85.8	69.6	44.5	23.9	12.2	3.6	.9	49.5	744
	18-20	100.0	99.3	95.7	87.4	74.5	55.8	33.6	12.1	2.0	51.9	744
	21-23	100.0	100.0	99.9	98.8	93.1	84.3	68.3	37.0	9.7	74.9	744
TOTALS		100.0	99.4	96.6	91.1	81.3	68.5	55.0	35.5	12.7	69.6	5948

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## RELATIVE HUMIDITY

93193 FRESNO AIR TERMINAL CA

75-P3

APR

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.9	97.6	93.2	81.4	61.0	32.1	6.4	72.9	720
	03-05	100.0	100.0	100.0	99.3	97.6	92.5	79.3	52.6	17.9	79.7	720
	06-08	100.0	100.0	99.9	98.2	93.8	82.2	60.7	34.7	10.6	73.8	720
	09-11	100.0	99.6	93.2	79.3	53.2	25.4	11.4	5.8	1.8	52.6	720
	12-14	99.7	93.8	70.7	41.8	17.2	7.5	4.6	1.9	.1	39.6	720
	15-17	99.8	86.3	58.2	31.3	13.2	7.9	4.3	1.5	.1	35.8	720
	18-20	99.7	94.9	81.7	61.7	39.6	19.7	11.1	4.4	.6	40.9	720
	21-23	100.0	99.9	97.8	92.5	76.1	55.3	32.1	11.7	2.9	62.5	720
TOTALS		99.8	96.8	87.7	75.2	60.5	40.5	33.1	18.1	5.1	58.2	5760

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93193 FRESNO AIR TERMINAL CA

73-80

MAY

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-01	100.0	100.0	100.0	97.6	81.9	54.2	22.3	6.0	.7	62.0	744
	01-05	100.0	100.0	100.0	100.0	98.1	83.2	54.3	19.6	3.1	71.5	744
	06-08	100.0	100.0	99.9	94.6	77.8	48.9	24.2	5.1	.7	60.9	744
	09-11	100.0	99.9	87.6	49.9	16.9	4.3	.8	.4	.3	41.6	744
	12-14	100.0	87.4	42.7	10.5	2.4	.5	.3	.1		38.1	744
	15-17	99.5	69.5	21.9	5.5	2.6	.9	.4	.3		25.5	744
	18-20	100.0	87.8	49.2	20.0	6.6	3.4	1.9	.4		32.0	744
	21-23	100.0	99.9	94.0	73.0	39.4	14.7	5.2	1.2	.1	48.4	744
TOTALS		69.0	93.1	74.4	56.4	40.7	26.3	13.7	4.1	.6	46.6	5952

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

73-80  
PERIOD

JUN  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	99.9	97.4	86.5	59.7	27.1	4.7	.6		55.3	720
	03-05	100.0	99.9	99.6	96.1	86.0	59.6	26.7	3.5	.4	62.9	720
	06-08	100.0	100.0	98.6	86.1	58.5	26.3	6.5	1.1	.6	53.5	720
	09-11	100.0	98.2	72.9	29.9	5.4	1.1	.7	.4	.3	36.6	720
	12-14	99.7	75.8	25.4	3.8	1.4	.8	.1	.1		26.3	720
	15-17	98.3	48.5	9.7	1.9	.8	.8	.3			21.5	720
	18-20	99.2	71.8	25.8	6.0	2.1	1.1	.7			26.2	720
	21-23	100.0	99.2	85.6	47.5	18.2	3.3	1.1	.3		41.2	720
TOTALS		99.6	85.7	64.4	44.7	29.0	15.0	5.1	.9	.2	40.2	5760

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAG

## RELATIVE HUMIDITY

93193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

77-80  
PERIOD

JUL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	99.3	88.7	56.9	22.6	4.2	.8	.3	52.8	744
	03-05	100.0	100.0	100.0	98.7	86.5	54.6	19.5	2.2		61.9	743
	06-08	100.0	100.0	99.6	89.8	58.9	26.1	5.9	.5		53.8	744
	09-11	100.0	99.7	84.9	30.6	5.9	1.6	.4	.1		38.0	744
	12-14	100.0	86.6	25.7	3.6	.7	.3				27.3	744
	15-17	99.7	59.0	11.4	2.8	.5	.3				23.0	744
	18-20	99.9	80.6	27.6	5.5	1.7	.5				27.3	744
	21-23	100.0	99.7	88.6	48.9	14.9	4.2	.7			41.3	744
TOTALS		100.0	98.7	67.1	45.1	28.3	13.8	3.8	.5	.0	40.7	5951

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93193 FRESNO AIR TERMINAL CA

75-80

AUG

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	99.5	92.5	76.3	47.0	16.1	4.4	1.7	59.7	744
	03-05	100.0	100.0	100.0	97.6	92.3	74.6	47.0	14.8	3.5	68.8	744
	06-08	100.0	100.0	99.5	94.9	81.6	53.6	27.2	7.5	2.3	62.4	744
	09-11	100.0	100.0	92.2	59.5	28.3	6.2	1.9	.7	.4	43.8	744
	12-14	100.0	93.7	48.9	14.2	3.5	1.5	.4	.4	.1	31.7	744
	15-17	99.7	78.6	25.5	7.7	2.4	1.2	.9	.6		27.4	742
	18-20	99.9	92.2	55.6	21.6	5.4	2.4	1.6	.9	.5	33.6	741
	21-23	100.0	100.0	95.3	74.0	37.7	11.1	3.5	2.5	.6	46.0	741
TOTALS		100.0	95.6	77.1	57.8	39.9	24.7	12.3	3.9	1.2	46.9	5944

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
JAFSTAC  
AFB WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

79-79  
PERIOD

SEP  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	03-02	100.0	100.0	99.9	97.5	90.3	66.7	30.6	9.3	2.5	65.4	720
	03-05	100.0	100.0	99.9	99.7	96.5	85.8	59.9	25.4	6.8	73.4	720
	06-02	100.0	100.0	99.9	98.2	90.0	71.8	42.9	16.7	4.2	68.4	720
	09-11	100.0	99.6	93.8	66.9	33.9	10.8	4.6	2.5	.8	45.8	720
	12-14	100.0	95.0	61.3	22.6	6.5	3.5	2.4	1.5	.1	34.9	720
	15-17	99.9	85.4	41.3	13.5	4.0	3.5	2.6	1.7	.4	30.6	719
	18-20	100.0	97.2	75.8	43.1	16.5	6.0	3.8	2.5	.4	40.2	720
	21-23	100.0	100.0	97.6	85.6	58.5	23.2	9.3	4.4	1.5	53.8	720
TOTALS		100.0	97.2	83.7	65.9	49.6	33.8	19.5	8.0	2.1	51.7	5759

GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

92193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

72-79  
PERIOD

GCT  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JCT	00-02	100.0	100.0	100.0	99.1	97.6	87.4	64.7	35.3	14.1	75.7	744
	03-05	100.0	100.0	100.0	100.0	99.6	96.6	81.9	48.5	22.4	31.1	744
	06-08	100.0	100.0	100.0	100.0	98.5	91.1	73.7	41.9	17.3	78.3	744
	09-11	100.0	100.0	98.4	86.0	58.5	31.3	13.3	4.2	.5	55.0	744
	12-14	100.0	99.2	79.0	47.2	18.1	7.7	3.9	1.2	.4	41.1	744
	15-17	100.0	95.6	65.6	35.9	13.3	7.0	3.8	2.3	.7	38.3	744
	18-20	100.0	100.0	95.6	78.0	52.6	27.4	13.3	6.3	2.6	53.4	744
	21-23	100.0	100.0	99.6	97.0	86.7	65.6	40.1	17.7	6.9	67.1	744
TOTALS		100.0	99.5	92.3	80.4	65.6	51.8	36.3	19.6	8.1	61.2	5952

## RELATIVE HUMIDITY

NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	98.6	97.5	94.9	89.2	76.2	47.7	85.4	719
	03-05	100.0	100.0	100.0	.	98.9	97.8	93.3	82.6	56.0	88.9	720
	06-08	100.0	100.0	100.0	99.6	99.2	97.9	93.2	83.7	55.0	89.2	718
	09-11	100.0	100.0	99.6	96.3	88.2	75.5	60.7	37.9	20.8	74.0	729
	12-14	100.0	99.3	95.0	80.8	63.9	45.1	27.4	15.8	6.3	59.4	720
	15-17	100.0	98.5	94.4	78.0	60.6	40.8	26.1	13.4	4.7	57.2	719
	18-20	100.0	99.9	99.0	97.4	91.5	77.2	60.1	35.5	15.8	73.5	720
	21-23	100.0	100.0	99.7	98.6	97.6	93.3	82.8	66.9	33.2	83.0	719
TOTALS		100.0	99.7	98.5	93.6	87.2	77.8	66.6	51.7	30.1	76.5	5755

USAFETAC      FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

97193 FRESNO AIR TERMINAL CA

77-79

DEC

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01-02	100.0	100.0	100.0	100.0	99.2	98.6	96.1	85.2	56.6	90.1	744
	03-05	100.0	100.0	100.0	99.9	99.6	99.2	97.7	90.8	59.8	91.2	743
	06-08	100.0	100.0	100.0	100.0	99.3	98.9	96.2	92.2	60.3	91.1	743
	09-11	100.0	100.0	100.0	99.1	97.3	92.3	80.5	61.2	36.3	82.8	744
	12-14	100.0	100.0	98.5	94.5	82.9	65.9	51.3	29.0	15.1	69.6	744
	15-17	100.0	100.0	98.4	91.8	79.8	64.5	48.9	26.3	10.6	67.7	744
	18-20	100.0	100.0	100.0	99.9	97.6	92.7	79.4	56.3	27.2	81.3	744
	21-23	100.0	100.0	100.0	99.9	99.2	96.7	93.9	76.3	46.2	87.7	742
TOTALS		100.0	100.0	99.6	96.1	94.3	88.9	80.6	64.7	39.0	82.7	5948

USAFETAC FORM 0-87-5 (OL A)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

93193 FRESNO AIR TERMINAL CA  
STATION STATION NAME

72-80  
PERIOD

ALL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.1	96.3	91.9	84.1	67.2	34.9	23.3	5952
FEB		100.0	100.0	99.2	96.5	90.2	81.5	70.6	52.6	25.4	77.6	5424
MAR		100.0	99.4	96.6	91.1	81.3	68.5	55.0	35.5	12.7	69.8	5948
APR		99.8	96.8	87.7	75.2	60.5	46.5	33.1	18.1	5.1	58.0	5760
MAY		99.9	93.1	74.4	56.4	40.7	26.3	13.7	4.1	.6	46.6	5952
JUN		99.5	86.7	64.4	44.7	29.0	15.0	5.1	.8	.2	40.2	5760
JUL		100.0	90.7	67.1	46.1	28.3	13.8	3.8	.5		40.7	5951
AUG		100.0	95.6	77.1	57.8	39.9	24.7	12.3	3.9	1.2	46.9	5944
SEP		100.0	97.2	83.7	65.9	49.6	33.8	19.5	8.0	2.1	51.7	5759
OCT		100.0	99.5	92.3	80.4	65.6	51.8	36.3	19.8	5.1	61.2	5952
NOV		100.0	99.7	98.5	93.6	87.2	77.6	66.6	51.7	30.1	76.5	5755
DEC		100.0	100.0	99.6	96.1	94.3	88.9	80.6	64.7	39.0	22.7	5948
TOTALS		99.9	96.6	86.7	75.4	63.6	51.7	40.1	27.2	13.3	61.3	70105

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

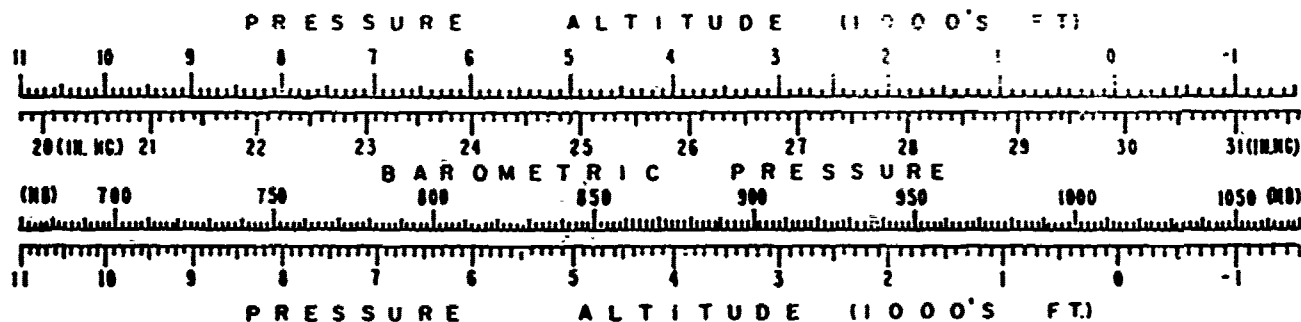
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

97193 FRESNO AIR TERMINAL CA

72-80

STATION	STATION NAME	YEARS												
HRS (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	29.762	29.752	29.669	29.654	29.564	29.539	29.525	29.530	29.544	29.640	29.747	29.831	29.643
	S.D.	.150	.164	.148	.104	.089	.089	.074	.074	.082	.088	.139	.140	.153
	TOTAL OBS	247	224	247	239	248	240	246	247	243	245	239	247	2911
04	MEAN	29.764	29.746	29.664	29.645	29.574	29.554	29.541	29.542	29.553	29.645	29.748	29.806	29.648
	S.D.	.159	.167	.148	.102	.089	.090	.075	.074	.081	.090	.140	.140	.150
	TOTAL OBS	248	226	248	239	246	240	248	245	240	247	240	247	2917
07	MEAN	29.769	29.755	29.683	29.683	29.603	29.584	29.570	29.572	29.581	29.665	29.766	29.812	29.670
	S.D.	.161	.170	.149	.103	.090	.091	.075	.075	.081	.090	.138	.141	.145
	TOTAL OBS	247	226	246	240	247	239	247	248	240	247	238	245	2910
10	MEAN	29.762	29.789	29.716	29.703	29.615	29.596	29.588	29.591	29.603	29.692	29.798	29.851	29.696
	S.D.	.160	.178	.148	.101	.091	.090	.082	.076	.082	.094	.144	.143	.152
	TOTAL OBS	248	226	248	240	247	240	248	246	239	247	239	247	2917
12	MEAN	29.753	29.744	29.672	29.659	29.570	29.554	29.543	29.542	29.549	29.631	29.739	29.789	29.645
	S.D.	.153	.163	.140	.101	.089	.089	.075	.076	.082	.088	.141	.142	.146
	TOTAL OBS	245	226	247	240	248	235	246	247	240	248	240	246	2916
15	MEAN	29.739	29.717	29.645	29.620	29.531	29.517	29.504	29.501	29.510	29.606	29.718	29.779	29.615
	S.D.	.154	.158	.141	.102	.088	.089	.075	.077	.083	.088	.139	.146	.152
	TOTAL OBS	248	226	248	240	248	240	243	247	240	246	240	248	2921
19	MEAN	29.748	29.723	29.641	29.613	29.519	29.498	29.484	29.485	29.504	29.612	29.726	29.734	29.611
	S.D.	.156	.162	.138	.102	.089	.087	.075	.075	.083	.090	.142	.143	.159
	TOTAL OBS	247	226	248	240	247	239	248	247	240	247	240	246	2915
22	MEAN	29.776	29.750	29.676	29.653	29.566	29.542	29.527	29.528	29.545	29.646	29.755	29.809	29.647
	S.D.	.155	.162	.144	.102	.089	.086	.072	.073	.081	.088	.144	.142	.154
	TOTAL OBS	248	224	248	240	248	240	248	247	240	248	240	248	2919
ALL HOURS	MEAN	29.766	29.747	29.671	29.654	29.568	29.548	29.535	29.537	29.549	29.642	29.750	29.804	29.647
	S.D.	.156	.156	.146	.106	.094	.094	.081	.082	.087	.093	.143	.144	.155
	TOTAL OBS	1975	1874	1980	1818	1979	1917	1983	1979	1915	1977	1916	1976	23326

Changed as per letter 5Feb 81 Subject: Correction

USAF ETAC FORM 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

93193 FRESNO AIR TERMINAL CA

72-80

STATION		STATION NAME												YEARS	
HRS (LST.)		JAN	FEB	MAR.	APR	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN	1020.0	1019.6	1016.8	1016.3	1013.1	1012.2	1011.7	1011.6	1012.4	1015.7	1019.4	1021.4	1015.9	
	S.D.	5.445	5.550	5.021	3.525	3.076	3.044	2.538	2.557	2.831	2.994	4.837	4.810	5.281	
	TOTAL OBS	244	225	248	240	247	240	248	247	239	248	240	248	2918	
04	MEAN	1019.9	1019.2	1016.4	1016.2	1013.2	1012.4	1011.9	1012.0	1012.4	1015.6	1019.3	1021.4	1015.8	
	S.D.	5.473	5.720	5.051	3.503	3.095	3.094	2.599	2.549	2.789	3.007	4.817	4.823	5.211	
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	248	2922	
07	MEAN	1020.3	1019.8	1017.3	1017.3	1014.4	1013.7	1013.2	1013.3	1013.7	1016.6	1020.1	1021.3	1016.8	
	S.D.	5.502	5.800	5.121	3.496	3.093	3.110	2.590	2.599	2.756	3.076	4.759	4.870	5.037	
	TOTAL OBS	248	226	248	240	248	240	248	248	239	248	238	247	2918	
10	MEAN	1021.5	1020.8	1018.2	1017.7	1014.6	1013.9	1013.4	1013.7	1014.1	1017.2	1021.0	1022.9	1017.4	
	S.D.	5.473	5.771	5.052	3.474	3.107	3.069	2.581	2.590	2.639	3.097	4.933	4.908	5.260	
	TOTAL OBS	248	226	248	240	248	239	248	248	240	248	240	248	2921	
13	MEAN	1019.7	1019.4	1017.0	1016.4	1013.3	1012.7	1012.3	1012.3	1012.6	1015.4	1019.2	1021.0	1015.9	
	S.D.	5.309	5.494	4.779	3.434	3.060	3.113	2.590	2.630	2.788	3.009	4.841	4.867	5.059	
	TOTAL OBS	248	226	247	240	248	240	247	247	240	247	240	248	2918	
16	MEAN	1019.0	1018.2	1015.6	1014.9	1011.7	1011.2	1010.7	1010.6	1010.9	1014.2	1018.3	1020.3	1014.6	
	S.D.	5.274	5.425	4.700	3.501	3.051	3.072	2.587	2.643	2.852	3.034	4.833	4.870	5.267	
	TOTAL OBS	248	226	248	240	248	240	248	247	240	248	240	248	2921	
19	MEAN	1019.5	1018.7	1015.9	1014.9	1011.6	1010.8	1010.2	1010.3	1011.0	1014.8	1018.8	1020.9	1014.8	
	S.D.	5.376	5.519	4.680	3.484	3.060	2.992	2.580	2.594	2.863	3.060	4.881	4.929	5.499	
	TOTAL OBS	248	226	247	240	248	239	248	247	240	248	240	248	2919	
22	MEAN	1020.3	1019.4	1016.8	1016.0	1012.9	1012.0	1011.4	1011.5	1012.1	1015.7	1019.6	1021.5	1015.8	
	S.D.	5.417	5.658	4.838	3.469	3.074	2.962	2.498	2.570	2.807	3.022	4.940	4.915	5.370	
	TOTAL OBS	248	226	248	240	248	240	248	247	240	248	240	248	2921	
ALL HOURS	MEAN	1020.1	1019.4	1016.8	1016.2	1013.1	1012.4	1011.9	1012.0	1012.4	1015.7	1019.5	1021.4	1015.9	
	S.D.	5.446	5.653	4.957	3.603	3.237	3.219	2.774	2.809	2.999	3.155	4.906	4.918	5.320	
	TOTAL OBS	1984	1807	1982	1920	1983	1918	1903	1979	1918	1983	1919	1983	23358	